Historic Statistics of Salmon Production Around the Pacific Rim

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September, 1985

Canadian Manuscript Report of Fisheries and Aquatic Sciences No. 1819

86-0055/
21106.202

Canadian Manuscript Report of Fisheries and Aquatic Sciences

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Canadian Manuscript Report of
Fisheries and Aquatic Sciences 1819

SEPTEMBER 1985

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by

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Minister of Supply and Services Canada 1985

Cat. No. Fs 97-4/1819E ISSN 0706-6473

Correct Citation for this publication

Shepard, M.P., C.D. Shepard and A.W. Argue. 1985. Historic statistics of salmon production around the pacific rim. Can. MS Rep. Aquat.Sci. 1819 297p.

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ABSTRACT

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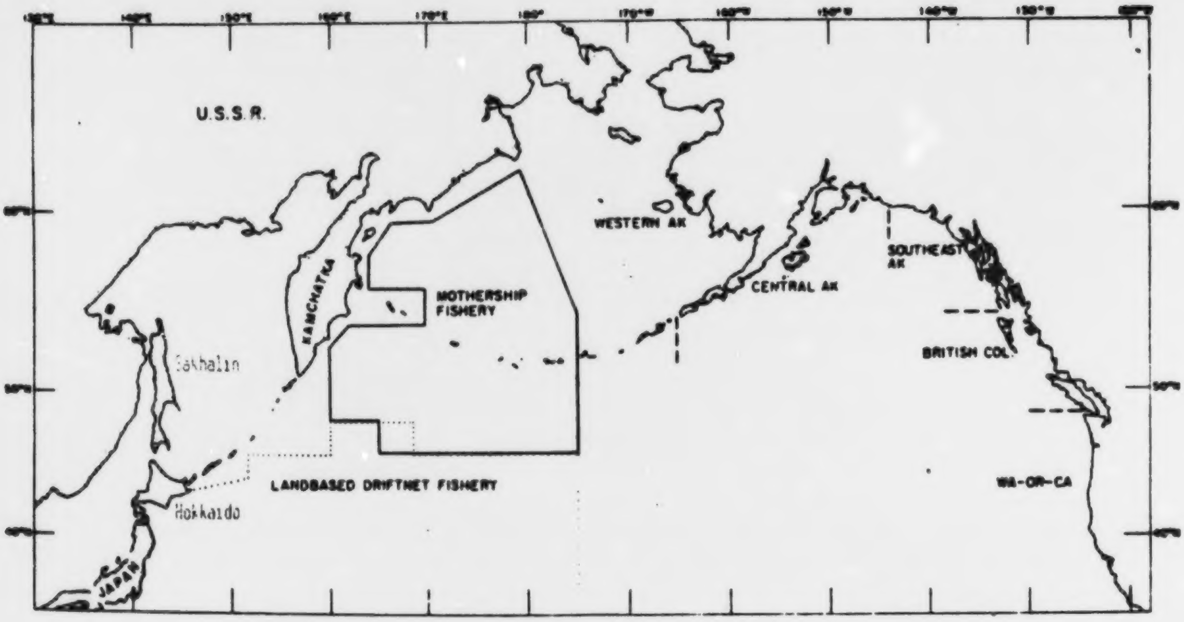
This report attempts to summarize data on the historic levels of salmon catch and production from countries around the Pacific Rim. Included are narratives on the fisheries of Korea, Taiwan, Japan, U.S.S.R., U.S.A. and Canada.

RESUME

Shepard, M.P., C.D. Shepard and A.W. Argue. 1985. Historic statistics of salmon production around the pacific rim. Can. MS Rep. Aquat. Sci. 1819. 297 p.

Le present rapport se veut un resume des donnes sur les prises et la production historiques de saumon des pays bordant le Pacifique. Sont incluses des descriptions des peches realisees par la Coree, Taiwan, le Japon, l"URSS, les E.-U. et le Canada.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40°N
U.S.S.R.
KAMCHATKA
Sakhalin
Hokkaido
JAPAN
MOTHERSHIP
FISHERY
LANDBASED DRIFTNET FISHERY
WESTERN AK
CENTRAL AK
SOUTHEAST
AK
BRITISH COL.
WA-OR-CA

Figure 1. Fishing areas for Pacific salmon (after Fredin, 1980).

INTRODUCTION

1.0 BACKGROUND

The purpose of this paper is to develop preliminary estimates of the annual contributions to commercial fisheries of Pacific salmon stocks from different geographic areas around the rim of the North Pacific Ocean and the Bering Sea. The approach taken was to first assemble available statistics of salmon harvest by North Pacific fishermen (from the Republic of Korea, Japan, the USSR, Alaska, British Columbia and Washington/Oregon/California- Figure 1, fronticepiece). Because of the salmons' migratory habits, fishermen of one country frequently harvest fish bound for rivers of another country. Thus, records of national harvests cannot provide a complete picture of the total contributions from the rivers of that country. The next step of the analysis therefore involved attempts to identify the geographic origin of salmon taken in fisheries of each country and, where possible, to develop estimates of the proportions of the catches composed of salmon of differing origins. On the basis of such calculations, estimates were made of the total numbers and weights of salmon contributed to the fisheries by the rivers of each geographic area. In the present paper, such contributions are termed the "production" from each area.

The compilation procedures involved:

a) estimating the total catch made by fishermen from each geographic area;

b) subtracting the portion of that catch estimated to have been composed of salmon bound for other areas ("interceptions"); and,

c) adding portions of catches taken by fishermen of other areas that were estimated to have been composed of salmon bound for the specified area.

For example, pink salmon bound for the rivers of British Columbia are intercepted in substantial numbers by Washington State fisheries operating in the waters of Juan de Fuca and Georgia Straits (fishing primarily for pinks bound for the Fraser River, Hourston et al, 1964) and by Alaskan fisheries, particularly those operating along the outer coast of Prince of Wales Island and at Cape Fox in the inner reaches of Dixon Entrance (harvesting pink salmon bound mainly for the Skeena and Naas Rivers, Anon 1965). On the other hand, Canadian fisheries operating in Juan de Fuca Strait intercept pinks bound for United States rivers in Puget Sound and Canadian fishermen operating in Dixon Entrance take substantial numbers of pink salmon (particularly in even-numbered years) bound for the rivers of Southeast Alaska. Studies of offshore migrations of pink salmon

(Neave et al 1967 and Takagi et al 1981) indicate that Japanese fisheries which have operated on the high seas westward from 175°W take virtually no pinks bound for Canadian rivers.

Considering the foregoing, annual harvests of pink salmon originating in British Columbia rivers were estimated by:

a) taking the recorded catch of pink salmon by Canadian fishermen in British Columbia waters;

b) subtracting the estimated number of Alaskan and Washington State pink salmon taken by British Columbia fishermen in British Columbia waters; and,

c) adding the estimated number of British Columbia-bound pinks taken in Alaskan and Washington State fisheries.

The task of making annual estimates of the numbers of salmon of all 5 species bound for each country is an extremely complex one, and one fraught with many uncertainties. Published and unpublished compilations of information on interceptions have been used, and where such compilations were not available, general appraisals (in some cases virtually guesses), have been made. The estimates developed, therefore, must be viewed as "first approximations". Undoubtedly, virtually every table in the report could be modified on the basis of further study which could provide refinements either with respect to the magnitude of the harvest or with respect to estimates of the proportions of salmon originating in different areas. The authors would welcome suggestions for improvement.

The work presented in this report was carried out as part of a contract commissioned by the Department of Fisheries and Oceans. The authors would like to express their appreciation to Mr. C.C. Graham of the Department, Scientific Authority for the Contract, whose appreciation of the complexities of the task, encouragement and understanding throughout the project contributed greatly to its accomplishment.

2.0 FISHERIES OF THE REPUBLIC OF KOREA AND TAIWAN

Masu salmon (*Oncorhynchus masou*) spawn in a few rivers along the eastern coast of the Korean Peninsula northward from Pusan (Yoshida 1938 cited by Tanaka 1965). Some chum salmon may also spawn as far south as the Korean Peninsula. The authors are not aware of any information regarding the magnitude of salmon catches in North Korea although it is known that a trap-net fishery operated there before World War II. The International North Pacific Fisheries Commission (INPFC 1980), however, has published records of the weights of salmon landings (without species designation) in the waters of the Republic of Korea (ROK) for 1962 through 1980 (reproduced here as Table 1).

In the late 1960s, ROK vessels operating in the central North Pacific made some catches of salmon but the magnitude of these catches (which were believed to be in the thousands of tonnes), were never recorded officially. In 1983, vessels from Taiwan also fished in the central North Pacific, allegedly catching in the order of 5-6,000 tonnes (Anon 1984).

In view of the low level of catches made by the Korean inshore fisheries, the sporadic nature of the offshore fisheries of the ROK and Taiwan, and the lack of data on the magnitude of these catches, the activities of the fleets of the two countries are given no further treatment in the present report.

JAPAN

3.0 FISHERIES OF JAPAN

3.1 Introduction

Ainu, the indigenous people of the Japanese islands, traditionally depended heavily on the abundant runs of salmon (mainly chums) migrating into most of the rivers of Honshu and Hokkaido. Just as it did with the North American Indians, salmon played an important part in the cultural life of the Ainu. Fishing with a variety of techniques (including spears, nets and weirs), the Ainu were the first harvesters of salmon of the Japanese rivers. The present-day Japanese race probably began to occupy the northern part of Japan where salmon are most abundant, around 2000 years ago, but it has only been in the last 150 years that the northern Island of Hokkaido, the main Japanese salmon producing area, has been intensively colonized (Fairbank et al. 1973). With most of Japan consisting of rugged mountains, and its population crowded in narrow coastal plains, the Japanese have always depended heavily on aquatic resources for their protein requirements (Japan's per capita consumption of fish is the highest in the world). Salmon undoubtedly became a prized item in the Japanese diet very early in Japanese history.

Historic accounts (Taguchi 1967) reveal that during the Edo era (the 17th to the mid-19th Centuries), flourishing fisheries existed in the rivers of the main island of Honshu, utilizing various types of gill-nets and traps. In 1797, the total catch of all salmon in the rivers was estimated to have been about 2.54 million fish. Fishing rights were granted to specific villages by feudal lords who received tithes in return for these privileges. Those granted fishing rights bore the responsibility for preserving the resource. Portions of the revenue earned from fishing were devoted to public works such as the construction of dykes and schools.

For the two centuries preceeding the mid-1850s, Japan maintained a tight isolation from foreign influence and social change. The opening of Japan by Admiral Perry in 1854, resulting in the signing of the Treaty of Kanagawa, marked the beginning of the modernization of Japan. The restoration of Imperial rule under the Emperor Meiji in 1868 ushered in an era of remarkable social and economic progress; by 1905, from the Middle-Ages society existing in the mid-1860s, Japan had developed into an industrial power whose navy soundly defeated a battle fleet of the Tsar of Russia giving Japan victory in the Russo-Japanese war. During the Meiji era, Japan pursued an aggressive expansionist policy that led to the consolidation of its territorial claims to Taiwan, Korea, Sakhalin Island and the Kuriles and the development of shore-based fishing activities in Russian territories around the Sea of Okhotsk and on the Pacific coast of Kamchatka.

Until the beginning of the Meiji era, Japanese salmon fisheries were probably restricted mainly to the estuaries and mainstems of the rivers. Although there was some development of the fisheries on the northern island of Hokkaido (particularly on the island's largest river, the Ishikari), historically, most of the salmon fisheries took place on the main island of Honshu.

Reformation of the feudal system led to the opening of fisheries to the public and the fisheries spread to the coasts (but mainly close inshore). By 1882, the ocean catch exceeded that of the rivers. The Meiji era also saw the active colonization by Japanese of Hokkaido and by 1888, the catch there exceeded ten million salmon, a total that was not surpassed until recently. In the closing years of the 19th Century, the salmon fishery pressed northward. At the beginning of the Meiji era, the island of Sakhalin off the Russian coast was under Japanese influence. Although precise catch statistics are not available, it is understood that a Japanese salmon fishery was initiated there around 1869. In 1876, Japan and Russia signed the Kurile Islands/Sakhalin Exchange Treaty which provided for Japanese renunciation of its claim to Sakhalin Island in return for acquisition by Japan of the entire Kurile Island chain. Although Japan annexed the Kurile Islands under terms of the 1876 accord, an active shore-based salmon fishery apparently did not begin there until the early 1930s. The Exchange Treaty also gave the Japanese the right to continue their fisheries on Sakhalin Island and to participate in fisheries in Russian mainland coastal areas on an equal footing with Russian citizens. In 1892, the Japanese fishery spread to the Japan Sea coast of Russia (the Primore District) and to Kamchatka in 1897 (Figure 2).

Japan's victory in the Russo-Japanese war of 1905 (resulting in the Treaty of Portsmouth), restored the Japanese ownership of the southern half of Sakhalin Island and reaffirmed Japanese fishing rights along the USSR mainland coast.

Russo-Japanese relations were plagued with problems and conflicts. These difficulties intensified following the Russian Revolution in 1917. Although holding tenaciously to her rights to fish along the USSR coast (reconfirmed by a Fisheries Treaty with the USSR in 1925), Japan moved to consolidate its interests by initiating an offshore fishery based in the Kurile Islands, capable of operating outside the 3-mile Territorial Sea limits of the USSR coast. In addition, two motherships began operating off the west coast of Kamchatka in 1927, with their catcher boats concentrating their efforts close to the coast.

Exploratory activity in the northern Kurile islands in the early 1930s led to the development of a shore-based fishery there, involving the operation of over 200 gillnet vessels and trap-nets and 14 canneries at the peak of the fishery in the mid-1930s.

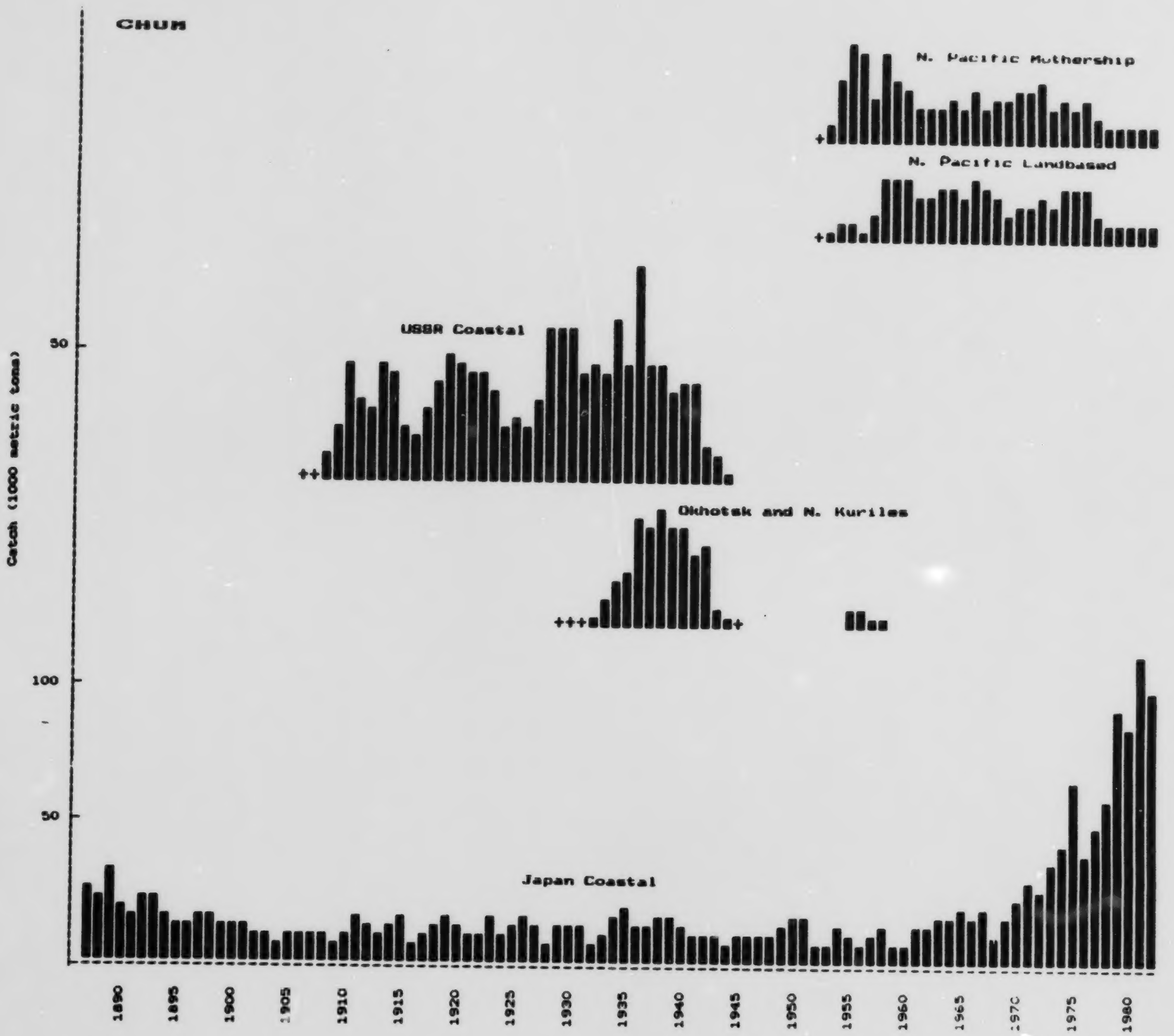

Figure 2. Catches of chum salmon in Japanese fisheries in the Western Pacific area.

The onset of World War II led to suspension of the Kurile-based mothership fishery in 1942. Despite the perils of war, however, Japanese operations along the USSR mainland coast continued through 1944. The Japanese South Sakhalin and North Kurile fisheries continued through 1943 and 1945 respectively.

In 1952, following the War, Japan developed an active mothership fishery that by the late 1950s had concentrated in the central North Pacific near the Aleutian Islands. Peak catches were achieved in the mid-1950s. Japanese interest in the offshore area developed as the result of pre-war exploratory operations in Bristol Bay within 20 miles of shore during 1937-1939. These operations caused great consternation in the United States (Leonard, 1944) and stimulated post-war initiatives for a fisheries Convention with Japan which ultimately was to limit Japanese salmon fishing operations to the western part of the Pacific (INPFC, 1953). Elements of the fleet began to fish in the Bering Sea in 1956, and from 1955 through 1958, a mothership fleet operated in the Sea of Okhotsk.

Simultaneously with the development of the offshore mothership fishery, an active shore-based operation involving driftnetters and longliners began fishing in offshore waters of the North Pacific, mainly southward from 46°N, with the driftnetters operating as far east as 175°W. The areas of operation and catches of the mothership and land-based offshore fleets have varied considerably over the years responding to fluctuations in the runs and to international pressures exerted by the USSR, the United States and Canada, who have sought to curtail Japanese offshore fishing operations. These variations are discussed in more detail in the next section of this report dealing with catch statistics and estimates of the country of origin of salmon harvested by the Japanese fleets.

Considerable attention has been devoted above to the history of the Japanese fisheries, more detail than will be devoted to the fisheries of the three other important salmon fishing nations of the North Pacific. The reason for this emphasis is that the Japanese fisheries have, for the most part, been fisheries intercepting salmon bound for other countries. The fisheries have varied in intensity and location, and analyses of catch data to estimate the country of origin of the salmon harvested is a complex task, requiring detailed examination of information on a fishery by fishery basis.

3.2 River and Coastal Fisheries of the Japanese Islands

3.2.1. Chum salmon

The first consistent records of salmon catches around the islands of Japan are for chum salmon in the rivers of the northern island of Hokkaido for 1868-1886 (cited by Taguchi 1967). As shown in Table 2, the Hokkaido River catch during the period varied irregularly between 123,000 and 1,480,000 chums.

Taguchi also examined reports of the Hokkaido salmon hatcheries to derive estimates of chum catches in both the rivers and the coastal areas of Hokkaido during 1887-1892. The data indicate that during that period, river catches varied between 472,000 and).727,000 chums whereas coastal catches were more than 10 times greater, varying between 5,018,000 and 10,389,000 fish. Taguchi provided similar data on both river and coastal catches for 1893-1958 and on river catches and portions of the coastal catch for an additional 5 years (1959-1963). Taguchi's data are listed in Columns I and II of Table 2. Sano (1956) also provided data on coastal chum catches for 1900-1951 (Column III of Table 2). With occasional exceptions (e.g., 1905 when there was a difference of 91,999 fish), until the mid-1930s, Taguchi's and Sano's data were virtually identical. From 1935 onward, however, although the data are relatively similar, larger discrepancies occur (e.g., a difference of 980,000 fish in 1938).

The data described above were provided in numbers of fish. Official Japanese statistics (included in Table 47 of Taguchi and in Table 38 of Kasahara 1963), provided data on estimated weights of salmon landed in Hokkaido from 1905 through 1955 (Column I of Table 3). The latter data do not correspond well with Taguchi's data on numbers of fish. Column VIII shows equivalent weights for Taguchi's number data (based on an average weight per chum of 3.2 kg, as developed by Kasahara 1963 - see Table 4). For 1905 through 1909, Taguchi's figures are much greater than those in the official statistics. For 1910 through 1929, data from the two sources are in the same order of magnitude and fluctuate in a similar manner from year to year. From 1930 through 1944, the official statistics provide much higher estimates of catch than do Taguchi's figures.

As a partial explanation for the latter difference, Kasahara (1963) concluded that the official statistics included catches in the North Kurile Islands as well as those made around Hokkaido. Kasahara (drawing on data presented by Taguchi 1957), provided estimates of the North Kurile catch in numbers of fish (Column II of Table 3). The average weight of the fish caught there during the 1930-1944 period is not known. It is likely that many of the chums taken in the fishery would have been feeding fish eventually destined for mainland streams in the USSR (Hirano 1953). A Japanese mothership fleet operated in the Sea of Okhotsk in the late 1950s (including the area in which the land-based North Kurile fishery had operated before World War II). Average weights of fish taken in the mothership fishery are available for 1957 and 1958 (Table 5). Assuming that chums taken in the North Kurile fishery during 1930-1944 had similar average weights, Column III of Table 3 provides estimates of the weight of the chum catches listed in Column II of the Table.

If Kasahara's conclusion that the official statistics for Hokkaido landings included catches in the North Kuriles is correct, then subtraction of the estimated weights in Column III from the estimated total weights in Column I should give an approximation of the catch made solely in Hokkaido coastal waters. Figures calculated on this basis are listed in Column V. It can be seen that, with the exception of 1935 (when a negative number was generated), the figures in Column V exceed those based on Taguchi's data, and by a wide margin in most years.

Such discrepancies might have occurred if the average weight of North Kurile fish had been underestimated. However, even if it is assumed that the weights of the North Kurile fish were the same as those of mature fish (about 3.2 kg according to Kasahara's estimates - Table 4), the estimates of "pure" Hokkaido catches derived by subtraction are still higher in most years than estimates based on Taguchi's data (compare Columns IV and VIII). The remaining difference (amounting to as much as 40,000 tonnes in a single year - 1941), is difficult to explain. The most likely reason is that the so-called Hokkaido catches included portions of catches made in Japanese fisheries other than those conducted around Hokkaido and the North Kuriles; during 1932-1939, the Japanese conducted large-scale fisheries involving tens of millions of fish in coastal waters of the USSR, and from 1929 through 1942, carried out a mothership fishing operation around Kamchatka. Inclusion of portions of these distant catches in the Hokkaido totals could well have occurred in the pre-war era when there was little emphasis on the collection of detailed statistics by area of capture. Kasahara (1963) has remarked on the difficulties of interpreting the early Japanese statistics.

In any event, it must be concluded that the location of capture of the chums included in the official Japanese statistics is subject to much uncertainty. It is of note that in developing his summary of Japanese catch statistics for the 1930s and 1940s, Kasahara (1963) discarded the official statistics in favour of data on numbers of salmon provided by Sano (1959) whose figures are almost identical to those provided by Taguchi. Considering the foregoing, the authors have accepted Taguchi's estimates of the numbers of chums caught in Hokkaido coastal waters for the pre-1952 period as the best reflection of river and coastal catches around Hokkaido from 1868 through 1951. Taguchi's data are repeated in Column I of Table 6 and, in Column II, are converted to estimated landed weight (in tonnes) using the INPFC conversion factor of 3.2 kg/fish.

For the pre-1952 period there are no data available on the numbers of chum salmon caught in either the rivers or coastal waters of the Japanese island of Honshu. Official Japanese statistics (Taguchi 1967, Table 47), however, provide information on the weight of chums caught there from 1894 through 1951 (Column III of Table 7). It is not known whether or not these figures include river catches. The figures seem quite reasonable and it is unlikely that they include large numbers of fish caught elsewhere, as apparently was the case for the official statistics for Hokkaido (see above). The weight data were converted to equivalent numbers of fish using the INPFC conversion factor of

3.2 kg/fish (Column IV). The results indicate that during 1905 through 1951, Honshu chum catches varied between 122,000 and 2,320,000 fish. Lacking other data for years prior to 1952, these estimates were used as measures of the total catch of chums in Honshu.

Having derived estimates of catches in Hokkaido and Honshu from 1868 through 1951 (incomplete in the early years), it remains to compute the estimated portions of those catches comprising chums bound for the rivers of Japan and those bound for the rivers in territories now within the boundaries of the USSR. First of all, it was obviously assumed that catches in the rivers of Japan consisted of Japanese fish. Similarly, for present purposes, it is considered that all chums caught around Honshu were bound for Japanese rivers.

With respect to coastal catches, chum salmon bound for the rivers of the USSR are believed to be present in waters along the Pacific coast of the Japanese Islands (particularly Hokkaido) during the spring and summer (see Taguchi, loc. cit.). The Japanese consider that the chum salmon found in the coastal waters of Hokkaido form two more or less discrete runs, the "tokishirazu", which occurs during February through August, composed mainly of chums bound for the USSR, and the "akisake", which occurs during September through January, composed mainly of chums bound for local Japanese rivers. Taguchi used this distinction in timing to estimate the abundance of "akisake" in the coastal fishery off Hokkaido during 1942 through 1963 (Column IV of Table 2). In Column V of the Table, these numbers have been subtracted from the total coastal catch for each year, to provide estimates of the residual portions of the catch - the portion composed of "tokishirazu" or chums considered to have been bound for USSR rivers. These computations gave a negative number in one year. This aberration was presumably caused by the fact that the total coastal catch was given on an annual basis (January through December) whereas the estimates of "akisake" were based on statistics which spanned parts of two years (September of one year through January of the next). Nevertheless, the data provide a rough reflection of the relative proportions of the two "runs" in the fishery during the 1942-1957 period. During 1942-1949, the proportion of the catch composed of USSR-bound chums was relatively small, averaging about 11% (1,852,000 out of the aggregate coastal catch during the 8-year period of 16,268,000). The proportion increased rapidly thereafter so that by 1958, USSR-bound fish were estimated to have comprised over 70% of the total coastal landings. The increased landings of salmon caught during the spring and summer months reflected the post-war development of the Japanese land-based drift-net and longline fisheries which gradually spread from the coastal waters around Hokkaido seaward to the mid-North Pacific (as far east as the 175°W INPFC "abstention" line). For the purposes of this report, for 1943 through 1951, Taguchi's figures on the numbers of chums caught in Hokkaido coastal waters during different times of the year, were accepted as reflecting the contributions of Japanese and USSR chums to the fisheries.

Estimation of the proportions of Japanese and USSR chums in the Hokkaido coastal fishery for years prior to 1942 poses considerable difficulty. In the 1800s, the fishery would undoubtedly have been tightly confined to inshore waters and the vast majority of chums would have been caught in the autumn on the approaches to Japanese rivers; the capture of USSR-bound chums very probably grew as more mobile offshore gear came into use. Precise records of such developments in the pre-1942 period are not available. It was noted above that, during 1942-1957, the proportion of USSR-bound chums in the fishery was relatively low. However, these were war years or years in which the Japanese fishery was just beginning to recover from the effects of war. It is quite possible that in the years immediately preceding 1942, offshore efforts intercepting USSR chums were greater than they were during the 1942-1957 period. In this regard, it is interesting to note that during 1937-1941, coastal catches were almost double those during 1942-1946. Also, in 1942, the first year for which Taguchi provided estimates of "akisake" catches, the estimated proportion of USSR-bound chums was relatively high (amost 30%). The 1930s represented a period of active development of offshore salmon fishing by Japan (due mainly to increasing difficulties faced by Japan in maintaining inshore-based fisheries along the USSR coast). This led to the development of fisheries in the Kurile Islands (then under Japanese jurisdiction), particularly the shore-based offshore fishery in the northern part of the islands which began in 1932. It is likely that the local fishery around Hokkaido became more mobile during the same period and spread to the southern part of the Kuriles (with catches there being lumped with those of Hokkaido proper).

On the basis of the foregoing admitedly conjectural assessments, the following factors and postulates were considered in making estimates of the geographic origin of chum salmon caught in the coastal waters of Hokkaido prior to 1942:

a) Until 1931, the Japanese coastal fishery was considered to have concentrated inshore with assumed catches of USSR-bound chums being only 5% annually;

b) from 1932 through 1941, the proportion of USSR-bound chums rose by 3% per year (i.e., 8% in 1832, 11% in 1933, reaching 35% in 1941).

The results of partitioning catches from 1887-1941 on the foregoing basis, and of using Taguchi's estimates for 1942-1951, are shown in Table 6. Estimates of weights of salmon were derived by applying the INPFC conversion factor (3.2 kg/fish) to computed numbers of salmon bound for Japanese rivers, and applying the Okhotsk mothership conversion factor (see Table 5) to the computed numbers of chums bound for USSR rivers.

The completeness and accuracy of Japanese statistics improved substantially from 1952 onward. The available data include annnual listings of river catches (in tonnes) for Hokkaido and Honshu combined (INPFC Bull. 39, Table 56; INPFC Stat. Yearbooks for 1977-1980; and Jap. Fish. Agency unpub. for 1981 and 1982). Data in numbers of fish are available for some later years. For the remaining years, the numbers of chums caught were estimated using the INPFC 3.2 kg/fish conversion factor. The data are listed in Columns I and II of Table 8.

With respect to marine coastal fisheries, Kasahara (1963) and INPFC Bulletin 39, separated out catches of offshore fisheries from inshore fisheries (carried out mainly by traps) to provide estimates of coastal catches in nearshore Japanese waters (combining Hokkaido and Honshu) for the post-1951 period. Fredin et al. (1977), further refined these data to provide estimates of the purely inshore catch (i.e., excluding catches by gear which operated more distantly offshore). Data developed by Fredin et al. for 1952-1975 are listed in Column IV of Table 8 and converted to weight in Column III. Data for later years are from INPFC published and unpublished material. Data from Fredin et al. and INPFC sources can be compared to data provided independently by Taguchi (1967). For 1952-1955, Taguchi provided estimates of numbers of chums taken in coastal waters of Hokkaido (Column V) and of weights of chums taken in Honshu (converted to numbers in Column VI). Comparison of Taguchi's data (summed for both islands in Column VII) with those provided through INPFC and modified by Fredin et al. (Column IV) shows that the latter set of data provided slightly lower estimated catches for 1954 and 1955 and slightly greater catches in 1952 and 1953; in general, however, the figures were reasonably close. Column VIII of Table 8 shows unpublished data provided by Hokkaido hatchery officials of the estimated numbers of Hokkaido-bound chums taken in coastal fisheries from 1956 onward. Except for 1956, when the estimated return was even higher than Fredin et al.'s estimate for the entire Japanese coastal catch, the hatchery authorities' figures are relatively close to similar estimates derived by Taguchi (1967) - see Column V. For the present report, the data provided by Fredin, et al (and INPFC in later years) were accepted as the best estimates of the catches of Japan-bound chums in Japanese coastal waters from 1952 through 1982. Columns IX and X provide the consolidated estimates (in weights and numbers).

3.2.2. Pink and Masu salmon

Throughout most of the history of the Japanese fishery, pink and masu salmon have been lumped together in the statistics. The present report has made no attempt to separate the two species, even in modern times when some division between the species is possible.

Column I of Table 7 provides estimates of the weight of pink and masu caught in Honshu from 1894 through 1951 (from official Japanese statistics cited by Taguchi, 1967). These have been converted to estimated numbers in Column II, using the INPFC conversion factor of 1.5 kg/fish. Columns I and II of Table 9 provide data from the same source for the coastal areas of Hokkaido. Column V provides estimates (from Taguchi) of the catches in the rivers of Hokkaido. These are converted to equivalent weights in Column VI.

The data indicate that, in Honshu, catches were below 1.5 million pinks and masu in most years, with the exception of 1915 through 1921 when the recorded catches went as high as 10 million in one year. Annual catches declined after 1942 to some tens of thousands of fish by 1951. For Hokkaido, the recorded catches rose throughout the Century to immense numbers (an unbelievable total of over 100 million in one year) in the 1940s. As was the case with chums, it is likely that, in the 1930s and 1940s, a substantial portion of the pinks recorded as having been landed in Hokkaido were actually caught in waters further to the north. Kasahara (1963) considered that the so-called Hokkaido landing data included catches made around the North and South Kurile Islands as well as around Hokkaido. In any event, considering the relatively small runs of pink and masu salmon that ascend Japanese rivers, it must be assumed that the great majority of the pinks included in the pre-1952 "Hokkaido" catch consisted of salmon bound for rivers in territories now within the USSR.

There is no objective way to use these data to estimate the abundance of the portion of the catch consisting of pinks and masu salmon bound for Japanese rivers. To develop a gross approximation, the authors have turned to data on the river catches of pink and masu. The approach taken was to assume that the ratio of the river catch to the coastal catch of pink salmon bound for Hokkaido streams was the same as for chum salmon. Table 10 compares data (from Table 6) on the river and coastal catches of Japan-bound chums from 1891 through 1951. It can be seen that in the earliest years, the river catch was quite small, equivalent to between 4 and 10% of the catch made in coastal waters. This rose over the first three decades of the 20th Century and during World War II, exceeded 50%. Column IV of the Table shows moving 5-year means of the proportional relation between the river and the coastal catches. An estimate of the Hokkaido coastal catch of Japan-bound pinks was obtained by applying these moving means to data on Hokkaido river pink catches drawn from Table 9. For example, in 1930, the Hokkaido river catch of pink and masu salmon was recorded as 36,602 fish. In that year the moving mean of the proportion that the Hokkaido river chum catch formed of the coastal catch of Japan-bound chums was 0.164 (rounded to 0.16 in the Table). Assuming that the same proportion applied to pink salmon, the river catch for 1930 was divided by the moving mean to provide an estimate of the coastal catches of Japan-bound pinks: 36,602/0.164 or about 233,000 fish.

For 1952-1982, INPFC Bulletins and Yearbook material, provide data on total Japanese freshwater catches of pink and masu. The majority of the pink and masu catch has been made in Hokkaido and therefore the all-Japan data were treated in the same manner as described in the preceding paragraph; i.e., the proportional relation between the total Japanese river catch of chums and the total estimated coastal catch of Japan-bound chums was calculated on an annual basis (smoothed into 5-year moving means) and applied to the total Japanese river catches of pink and masu to provide estimates of the total contribution of Japanese pink and masu to the Japanese coastal fishery (Table 11).

Table 12 collates the data on area of origin of pink and masu salmon caught in the Japanese coastal and river fisheries. Column I lists data on freshwater catches (which are obviously considered as consisting of Japan-bound fish). Column II lists the estimated contributions of Japanese pink and masu to the Japanese coastal fishery (from Tables 10 and 11). Since all the remaining pink and masu in the catches are considered to be USSR-bound fish, it is necessary to relate the numbers of pinks and masu estimated to have been bound for Japanese rivers to the total catches of which they formed a part. In this regard, taking into consideration the likely variability in the origin of pink and masu catches that were assigned to the "Hokkaido" catches, the authors considered that the Japan-bound pink and masu were part of the aggregate catch from the following complex of fisheries.

a) the coastal fisheries of Hokkaido and Honshu;

b) the coastal fishery in the South Kuriles;

c) the land-based fishery in the North Kuriles;

d) the pre-World War II mothership fishery off Kamchatka.

Kasahara provides estimates of the numbers of pinks in the individual units within this complex of fisheries. His data for the period 1908-1951 are reproduced in Columns I and III of Table 13. Equivalent weight data are developed in Columns II and IV using INPFC Conversion Factors of 1.5 kg/fish for the coastal Japanese and South Kurile catches and 1.17 kg/fish for the North Kurile fishery (based on data in Table 5). The total numbers and weights for the complex of fisheries are repeated in Columns VII and VIII of Table 12.

The estimated numbers of Japanese fish (Columns III and IV of Table 12) were subtracted from the aggregate totals (in Columns VII and VIII) to provide estimates of the quantitites of USSR-bound pink and masu taken (Columns IX and X).

3.2.3 Other species

Prior to 1976, data on catches in Japanese coastal waters of species other than chum, pink and masu are not available. It is understood that the relatively few fish of the other two species (coho and chinook) that were caught were included with chum salmon in the catch records. The numbers caught are relatively insignificant and have not been treated in the present report.

3.3 Japanese Fisheries off the USSR Coast

As outlined in Section 3.0, the Japanese carried out extensive fisheries along what is now the USSR coast between the 1860s and 1945. These fisheries, using mainly traps, were conducted close inshore and, for purposes of this report, all salmon caught in that area are considered to have been bound for USSR rivers. Catch data, by species, are listed in Tables 14-18. Pink salmon catches in the North Kuriles and in the pre-World War II Kamchatka mothership fishery have already been covered in Tables 12 and 13 and are not included in the aforementioned Tables. Most of the data on which the Tables are based are in numbers of fish. Conversions to weights were carried out using factors developed for the USSR coastal area by INPFC (see footnotes to Tables).

3.4 High Seas Mothership Fishery

Based on exploratory fishing just prior to World War II, in the early 1950s, Japan established an offshore salmon fishery, utilizing driftnet vessels delivering their catches to motherships. During the 1950s, the fishery quickly spread eastward across the Pacific but stopped at 175°W in accordance with provisions of the North Pacific Fisheries Convention (concluded in 1953), which limited the Japanese salmon fishery to the western halves of the North Pacific Ocean and of the Bering Sea. The fishery operated in essentially three different regions - the Sea of Okhotsk, the North Pacific southward from the Aleutian Islands and the Bering Sea. As shown in Tables 14-18, it is concluded that salmon caught in the Sea of Okhotsk fishery (which ceased after 1958) were all bound for rivers of the USSR. Tagging and other studies of racial origin have shown that the fishery operating in the central North Pacific and Bering Sea intercepts salmon of all 5 species bound for North American rivers, particularly those of Western Alaska (Fredin et al. 1977), as well as salmon bound for Asia. On the basis of such studies, Fredin (1980) provided estimates of the numbers of mothership fleet-caught salmon that were bound for Asian and North American rivers respectively, up to 1977. United States scientists (pers. comm. 1984), have continued to use the analytical approaches reported by Fredin and have provided estimates of interceptions of North American fish for 1978 through 1983. Since virtually no sockeye or coho originate in Japanese rivers, and since it is thought that most pink and masu salmon originating in Japanese rivers would be unlikely to contribute to the mid-Pacific fishery (Takagi et al. 1981), it is assumed that all the "Asian" fish of these species listed in Fredin's tables (with updated information from United States scientists) would consist of salmon bound for the USSR. Tables 19 and 30 provide information on catches and estimated interceptions for the three species in terms of numbers of fish and weights respectively. Although the North Pacific mothership fishery began operations in 1952, the studies by Fredin et al. did not provide estimates of the numbers of North American salmon caught prior to 1956: Fredin's 1980 summary paper assumed that during 1952-1955, only a relatively small number of North American salmon would have been taken. Using classification criteria described by Fredin and Worlund (1974), however, Table 21 provides estimates of these relatively small numbers (see footnote to the Table for procedures used).

In contrast to the situation for sockeye, pink and coho, chum salmon originating in Japanese rivers make significant contributions to the high seas fishery. The published literature contains no estimates of the magnitude of such contributions for the early years of the fishery. However, on the basis of tagging during the 1950s and 1960s, and taking into account differences in the intensity of recovery in coastal areas, Shepard (1968) estimated that during 1963-1967, approximately 3.3% of the chums taken in both the Japanese North Pacific/Bering Sea mothership fisheries and in the high seas land-based fisheries, were composed of chums bound for Japanese rivers. Recently, Japanese scientists (Ishida et al. 1983), conducted studies of scales and developed estimates of the proportions of Japan-bound chums found in different parts of the Central North Pacific. Their data suggest that, in 1981, throughout the general area fished by the mothership and land-based driftnet fisheries, chum salmon with Japanese scale types formed about 15-19% of the chums sampled in May, about 24% in June, and about 36-44% in July. Application of these estimates to monthly catch data for the two fisheries suggests that, in 1981, Japanese chums formed approximately 26.7% of the total Japanese offshore catch, 8 times Shepard's estimate for the 1963-1967 period. Although there are major differences in methodology between the earlier analyses by Shepard and the later Japanese studies, the results nevertheless seem to fit the pattern of changing abundance of the Japanese run. Reflecting the results of the successful hatchery program, the return of salmon to Japanese coastal fisheries increased from about 4.65 million chums in 1963-67 to about 31 million in 1981 (Table 8), an almost 7-fold increase, and increase in the same order of magnitude as the change in proportional representation of Japanese chums in the offshore fishery reflected by a compoarison of data provided by Shepard and by Ishida et al. At the same time, coastal catches in the USSR, which according to tagging and scale information contribute most chums to the high seas fishery, decreased somewhat (from about 7.4 million in 1963-1967 to about 4.5 million during 1977-1981 (see Table 51). In the light of the relative fluctuations of Japanese and USSR stocks described above, the apparent eight-fold increase in the proportion of Japanese chums in the high seas fishing area from 1963-67 to 1981, seems entirely reasonable. As shown in Table 8, the 1963-67 period used by Shepard in his analyses was a period when new Japanese hatchery techniques had just begun to make their impact on total production; as mentioned above, catches during that period averaged about 4.65 million per annum. In the immediately preceding years, catches had been lower; from 1952 through 1959, they fluctuated between 1.7 and 3.1 million annually, averaging about 2.3 million, approximately half the 1963-67 average of 4.65 million. From 1959 onward, the catches increased exponentially at a rate of about 12% per year.

On the basis of the foregoing, for purposes of the present analysis, it is assumed that:

a) During 1952 through 1959, the proportion of the Japanese North Pacific and Bering Sea mothership catches that was composed of chums bound for Japan was about half that estimated by Shepard for the 1963-67 period (about 1.67%);

b) from 1960 onward, following the pattern of increase of the Hokkaido runs, the percentage interception rate rose exponentially at a rate of 13.4% per annum to approximately 26.7% in 1981 (the estimated rate of interception derived from the Ishida et al. data for the same year), reaching approximately 34% in 1983.

Calculation of the estimated numbers of Japanese chums taken in the Japanese high seas fishery based on the foregoing assumptions are listed in Tables 22 and 23.

As indicated by Fredin et al. loc. cit., virtually all of the North American chums intercepted in the Japanese mothership fishery were bound for rivers in Alaska, and most of these (about 95%) were destined for rivers in Western Alaska, including the Yukon. As concluded in Chapter 5 of this report, of the chums bound for the Yukon, about 40% would have been bound for Canadian sections of the river. Based on recent catch data when both the chum and chinook runs have come under extensive exploitation in Western Alaska, approximately 34% of the Western Alaska chum catch was made in United States sections of the Yukon River (Table 24). On the basis of the foregoing, it was assumed that of the 95% of the salmon Fredin estimated to have been of Western Alaskan origin, 34% were bound for the Yukon River and that 20% of these were bound for Canadian sections of the river (i.e., the aggregate percentage of the North American chums estimated to have been bound for Canadian sections of the Yukon would have been approximately 7%). Estimates of interceptions of Canadian Yukon chums based on the foregoing assumptions are listed in Column VI of Table 22 and 23.

Similar consideration has been given to chinook salmon originating in Canadian sections of the Yukon River. On the basis of data presented by Fredin it is estimated that 95% of the North American fish were bound for Western Alaska. As indicated in Table 24, it would be estimated that about 36.5% of these would have been bound for the Yukon River. In turn, based on Canadian technical estimates, 40% of the latter would have been bound for Canadian sections of the river (giving an aggregate percentage for Canadian Yukon fish of approximately 14%). Figures computed on the basis of the foregoing assumptions are listed in Tables 25 and 26

3.5. Land-based Driftnet and Longline Fisheries

3.5.1 Driftnet fishery

The Japanese land-based driftnet fishery has operated in the North Pacific Ocean southward from 46°N (but up to 48°N between 160°E and 165°E since the mid-1950s). Over the years the fishery spread eastward from fishing grounds immediately northeast of Japan to the mid-North Pacific as far east as the 175°W "abstention" line. Data on the precise areas of catches are not available prior to the early 1970s.

Meyer and Harris (1983), studying scale characteristics of sockeye in the driftnet fishing area, provided estimates of the numbers of sockeye taken by the fishery during 1972 through 1981 (data for the appropriate years are included in Column III of Table 27). Data on the distribution of fishing effort in the driftnet fishery from 1962 through 1980 (Fish. Agency Japan 1981) indicated that up until 1970, during May and June (when Bristol Bay salmon are most vulnerable to offshore fishing), the fishery operated mainly westward of 165°E. From 1979 onward, the majority of the effort switched to the area eastward from 165°E. Between 1970 and 1975, substantial fishing activity took place between 175°E and 175°W (Figure 2). During 1972-1981, the estimated interceptions of North American salmon amounted to between 9.2 and 19.9% of the total sockeye catch. The distribution of fishing effort in 1970 and 1971 was relatively similar to that in 1972 and 1973. For this reason, it was estimated that the rates of interception during 1970 and 1971 (years for which Meyer and Harris did not provide estimates) equaled the average of 1972 and 1973 (11.25%). For 1962 through 1969, it was assumed that the proportion of North American sockeye present was less than half of that during 1970-1973. On this basis, an arbitrary value of 5% was selected. Prior to 1962, it was assumed that virtually no interceptions occurred.

On the basis of studies of the high seas distribution of pink salmon (Takagi et al. 1981), it was assumed that all the pinks taken in the driftnet fishery were bound for rivers of the USSR (Column IV of Table 27).

Recent Japanese scale studies (Ishida et al. 1983), indicate that chum salmon originating in Japanese rivers are rather evenly distributed throughout both the mothership and the land-based driftnet fishing areas. For this reason, the estimates of the annual proportion of Japanese chums in the Japanese mothership catches (Column II of Table 22) were applied to the catches to provide estimates of the contributions of Japanese chum to the driftnet fishery (Column VIII of Table 27). There have been no direct studies of the contributions of North American chums to the driftnet fisheries. However, Fredin et al. (1977) estimated that 4-5% of the chums caught in the Japanese mothership fishery eastward from 175°E were of North American origin (mainly Western Alaskan). Data on the distribution of catches in the driftnet fishery for most years is limited to a division of catches east and west of 165°E. For 1970-1983, it was assumed that 4% of the catch in the area eastward from 165°E consisted of Alaskan fish. Prior to 1968 there was little fishing in the eastern portion of the driftnet fishing area and it was therefore assumed that no Alaskan chums were taken during the pre-1968 period. During 1968 and 1969 (years for which no area breakdowns are available), it was arbitrarily assumed that 1% of the total driftnet catch was composed of Alaskan fish.

On the basis of scale studies of salmon taken in the driftnet fishery (e.g., Knudsen et al. 1983), the authors concluded that about 60% of the driftnet catch of chinook salmon consisted of fish bound for North American rivers. For purposes of the present report, it was considered that all of these were bound for Alaskan rivers (Column VI of Table 28). In view of the fact that the fishery operates south of the Aleutians, the contribution of Yukon River fish was judged to be negligible.

Studies of the origin of coho in the high seas fishing area are in an early stage of development: however, scale work indicates a very substantial presence of Western Alaska coho in the land-based fishing area (e.g., see Walker and Davis 1983). Coho catches appear to be concentrated in the eastern part of the area, a fact tending to support the conclusion that Western Alaskan fish make a substantial contribution to the land-based fishery. For example, in the mid-1970s, over 95% of all coho taken in the driftnet fishery were taken in areas eastward of 165°E. This proportion compares to only 42% for chum salmon (INPFC Stat. Yearbooks for 1970-1976). The scale studies suggest that approximately 50% of the driftnet catch of coho was composed of Western Alaska-bound fish. However, it is understood (Fish. Res. Inst., Univ. Wash., pers. comm.) that there is considerable uncertainty concerning the representativeness of scale standards from Asia. In light of such uncertainties, the estimated proportion of Asian fish could be too high. On this basis, a more conservative figure of 25% Asian origin has been selected (Column III of Tables 28 and 30).

Tables 29 and 30 provide estimates of the interceptions expressed in terms of weight, derived by applying the proportional rates of interception developed in Tables 28 and 29 (determined on the basis of numbers of fish) to data on the total weight of salmon caught in the driftnet fishery.

3.5.2. Longline fishery

From 1952 through 1971, Japan operated a high seas longline fishery in the central North Pacific. The fishery operated mainly in the western portion of the area and, for purposes of the present analysis, it is assumed that all salmon taken in the fishery were bound for Asian rivers. Data on catches in terms of numbers and weight are listed in Tables 31 and 32. Japanese chum salmon would have been included in the catches; the proportions of Japanese chums involved were estimated applying the percentage interception rates from Table 22.

3.6 Summary

Tables 33 through 38 summarize data developed in this Chapter regarding Japanese salmon catches and interceptions in numbers of fish. Tables 39 through 44 provide similar information in terms of landed weight.

USSR

4.0 FISHERIES OF THE USSR

Little information is available on the early development of USSR salmon fisheries. It is known, however, that these fisheries have always been limited to inshore waters, mainly in the rivers and estuaries (e.g., see Kasahara, 1963). All USSR catches are therefore assumed to consist of salmon bound for USSR rivers. As outlined in the preceding sections of this report, the Japanese developed active fisheries along the USSR coast in the late 1800s. Arrangements made by Japan involved the leasing of fishing lots on an equal footing with Russian citizens. Records are available of the number of lots leased for 1908 through 1941 (Taguchi, 1967 - Table 54). Taguchi's Table listing such data is reproduced here, with minor arithmetic corrections, as Table 45. The Table shows that until 1929, the Japanese operated well over 80% of the concessions. Thereafter, USSR leaseholds were about equal in number to those of the Japanese.

There are no separate statistics for USSR catches prior to 1939. For 1925-1936, (except for coho during 1927-30), however, data are available for the combined catches (in numbers of fish) of Japan and the USSR along the USSR coast. There is more than one set of such data (Kasahara, 1963), but in the present paper, those presented by Pravdin (1940 - quoted by Kasahara), which appear to be the most consistent, have been used. The estimates are listed in Column I of Table 46.

For 1925, 1926 and 1937-39, estimates of combined Japan/USSR catches of sockeye, chums and coho are available in terms of weight. Similar data are available for pinks in 1925 and 1926. Data for chinook during both 1925-26 and 1937-39 are lacking. The available weight data are listed in Column I of Table 47. Using weight/fish factors from Table 4, Taguchi's data on numbers of fish taken by the Japanese fisheries were converted to weights (Column II of Table 47) and subtracted from the combined USSR/Japan figures in Column I to provide estimates of the weight of salmon caught in the USSR fisheries (Column III). These derived figures were then converted to numbers using the above-mentioned conversion factors (Column IV).

Unfortunately, Taguchi's data do not include estimates of Japanese catches of coho prior to 1932, nor, as mentioned above, are there estimates of combined Japan/USSR catches of pinks during 1937-39, or of chinooks in either 1925-26 or 1937-39.

With respect to chinook and coho, it is believed that catches of these species in the Japanese fishery were included with chum catches in the early years. Examination of catch trends by the Japanese and USSR fisheries provide a basis for making some gross approximations of the proportional breakdowns of the coho and chinook catches between the two countries.

On the basis of data in Table 46, for 1932 through 1936, it was estimated that the USSR took an average of about 39% of the combined coho catch. As shown in Table 45, the proportion of the fishing lots leased by USSR enterprises during 1932-36 was relatively stable (between 42 and 50%). The level was about the same in 1930 and 1931 as well (45 and 49% respectively). Before that time, however, the proportional holding of lots by USSR citizens was lower (14-15% between 1925 and 1928 and 35% in 1929). As shown in Table 48, the increase in lease holdings by the USSR between the late 1920s and the early 1930s was accompanied by a proportional increase in the USSR total catch of salmon; during 1926-1928, the USSR took approximately 27% of the combined catch, whereas during 1930-1936, its proportional share rose to about 50%.

On the basis of the foregoing, it was therefore assumed that with respect to coho:

- in 1930 and 1931, the proportional take of coho by the USSR fishery was the same as it was during 1932-1936 (average 39%);

- during 1925-1929, the take was 54% of that occurring during 1932-1936, i.e., 21%;

- during 1930, the USSR take was intermediate between those of the pre-1930 and post-1930 periods, i.e., 30%.

The resultant calculations are outlined in Table 49.

As shown in Table 46, with the exception of 1927 when the USSR take was proportionately very small, during 1927-1936, the USSR catch of pinks formed between 34 and 61% of the total catch, averaging 48%. There was no consistent difference between odd and even-numbered years. On the basis of the foregoing, for 1937-39, it is estimated that the proportion the USSR catch formed of the total catch was the same as it had been during 1928-1936, i.e., 48%. Estimates based on this assumption are listed in Table 50.

With respect to chinook salmon, as seen in Table 46, the USSR catch of chinook salmon in 1927 was proportionately very small (about 7% of the Japan/USSR total) but rose quite steadily in the 1930s. From 1930 through 1936, the proportion fluctuated around an average of 35%. For present purposes, it was therefore assumed that, in 1925 and 1926, the USSR chinook catch formed only 5% of the combined Japan/USSR catch. During 1937-39, it was assumed that the proportion of USSR fish was the same as the average for 1932-36, i.e., 34% (Table 50).

For 1940 through 1980, statistics of USSR catches, in numbers and weights of fish, are provided in INPFC documents (INPFC Bull. 39, 1979, and INPFC Stat. Yearbooks for 1977-1980). Data (in weight) for 1981 and 1982 were obtained from FAO Statistical Yearbooks with conversions to numbers made using standard INPFC conversion factors.

Table 51 represents a summary of the available data on USSR catches, both those from original sources and those derived in Tables 46-50 above. The data go back only as far as 1925; estimates for earlier years would only be guesses. In any event, it is evident from the available information that the major growth of the USSR fishery occured after 1925 and that in the pre-1925 period, catches would have been considerably smaller than those of the later years.

Tables 52 and 53 (in numbers and weights respectively) provide estimates of the total production from USSR rivers including both catches by USSR and interceptions by Japanese fishermen (derived from data presented in Section 3).

ALASKA

5.0 FISHERIES OF ALASKA

Salmon have always been a mainstay in the diet of the aboriginal peoples of Alaska and in the north, the principal food of sled dogs in the winter months (e.g., see Regnart and Geiger 1974). In the 18th Century, Russian fur traders moved across Siberia reaching the Aleutian Islands by the middle of the Century. The Russians founded the first permanent European settlement in Alaska (in Kodiak) in 1784 and by the end of the Century, had established a chain of settlements along the coast of Alaska. As an adjunct to the fur trade, salmon (pickled in barrels), became a significant element in trade with the mother country. The United States purchased Alaska from Russia in 1867 and almost immediately, the Americans began development of what is now the world's most productive salmon fishery. Starting with the operation of salteries (some of which had been initiated by the Russians), the industry began to expand rapidly in the late 1870s with the introduction of canning. The first Alaskan cannery was established at Klawak on the west coast of Prince of Wales Island in 1878 (Cobb, 1930). Fishing operations and canneries proliferated throughout Southeast Alaska and by the turn of the Century, the fisheries of the Territory were operating on a scale not unlike today's. Canneries were first established in Cook Inlet and Kodiak in 1882. The major Bristol Bay operations began with the building of the first cannery there in 1883. The fishery throughout most of Alaska was fully developed by the time of World War I (over 100 million salmon were caught in 1918).

INPFC Bulletin 39 presents data on the numbers of salmon caught, by species, throughout Alaska from 1893 through 1976, based on data provided by the Alaska Department of Fish and Game. Data for 1976 through 1981 are contained in INPFC Yearbooks or in manuscript material provided to the Commission by Alaskan authorities. Similar data are provided in a number of Alaskan publications or manuscript reports (e.g., Edfelt 1973 and Alaska Dept. Fish and Game 1983). Edfelt has provided some additional data for years prior to 1893. For the early years of the fishery, Rich and Ball (1930) provided statistics for parts of Southeast Alaska which were not included in the INPFC summary. Additional data from the latter source are shown in Tables 54 and 55. Consolidated data (in numbers of fish), incorporating both information contained in INPFC documents and in the other publications mentioned above, are presented in Columns I-V of Table 62.

Bulletin 39 also includes Tables giving catches by weight for 1950 through 1976 (similar data for later years are given in INPFC Yearbooks). The information was obtained by applying average weights for each species in each district to the number data described in the previous paragraph. In order to generate catch data by weight for years prior to 1958, the authors followed the same procedure applying the INPFC average weight data (Table 56) by district to data on catches by numbers, by species, and by district (Tables 57 through 61). Consolidated data on weights are listed in Columns VI-X of Table 62.

5.1 Fisheries on the Yukon River

Since time immemorial, native residents of the Yukon basin have harvested large quantities of salmon as food for themselves and their dog teams. United States authorities have maintained records of such catches since 1918. Commercial fishing began in the river in 1918 (Cobb, 1930), but until the mid-1960s, operations were spasmodic. The harvest has consisted mainly of chum, coho and chinook salmon. Substantial portions of the Yukon chinook and chum runs are bound for spawning grounds located in upstream Canadian sections of the river. Studies on the distribution of spawners within the total Yukon system and on the contributions of Canadian fish to the United States downriver fisheries are in an early stage of development and reliable quantitative estimates of such contributions cannot yet be made. For chinook salmon, as a gross approximation, Canadian technical experts believe the proportion to be at least 40% of the harvest. This accords roughly with estimates by United States scientists of the contributions of up-river chinooks to the downstream United States fisheries (e.g., see Wilcock and McBride, 1983). Canadian experts believe that about half the autumn run of Yukon chums is destined for Canadian sections of the river. In recent years, this segment of the run as probably formed about 40% of the entire chum run. On this basis, Canada-bound chums would have formed about 20% of the entire run. It should be emphasized that these figures are essentially guesses on the part of the authors. Further analytical work is needed.

Tables 63 and 64 list Alaska Department of Fish and Game estimates of Yukon River chinook and chum harvests by United States fishermen from 1918 through 1980. As shown in Tables 63 and 64, in the first decade for which records are available (1918 through 1927), recorded annual subsistence catches averaged about 800,000 chum and 17,500 chinook. There are a number of blanks in the records for both commercial and subsistence catches. It is probable that the commercial data are relatively complete and that in years where no catches are shown, there was no commercial fishing for the species in question (Regnart and Geiger 1974). Blanks in subsistence catches, however, undoubtedly reflect lack of data recording; data for chum salmon are lacking for 1921, 1944 through 1952, 1955, 1958 and 1959. Data for chinook are missing for the same years as well as for a number of others. Values for chum catches for 1954-1956 were very low and probably incomplete and therefore omitted from the Table. Examination of Table 63 indicates that recorded chum catches from 1941 through the 1950s and 1960s were relatively stable, varying between 178,000 and 449,000 fish, and averaging about 322,000 fish. The recorded catches include some pink and coho salmon but their proportions are believed to be insignificant. For purposes of the present analyses, it is assumed that nominal catches in the blank years (and in 1954 and 1955) were equal to this average figure.

Regnart and Geiger estimate that the catches recorded represent 70-90% of the actual subsistence harvest. For the present report it was assumed that, on the average, reporting was 80% complete. In Column III of Table 63, the data (including estimates in blank years and 1954 and 1956 developed as described above) have been adjusted upward accordingly. It will be noted (Table 645) that for chinook salmon, with a few exceptions (e.g., 1937 and from 1979 onward), estimated subsistence catches have been relatively constant varying between 11,000 and 27,000 fish, and averaging slightly over 18,000 fish. In the light of this observation, it has been assumed that, in years when records were not available, the recorded subsistence catch of chinooks was equal to the 1918 through 1978 average. As with chums, it was assumed that 80% of the chinook catch was reported and that the true catch was accordingly higher (Column III of Table 64).

Assuming that 40% of both the chum and chinook were bound for Canadian sections of the river, the annual estimated numbers of both species intercepted by United States fishermen (both commercial and subsistence) are listed in Column V of Tables 63 and 64. These data have been tranformed to equivalent weights, using the average weights of Western Alaska chinooks and chums (3.17 kg and 9.92 kg respectively) during 1960-1976 as recorded in INPFC Bulletin 39 (Anon, 1979).

5.2 Fisheries of Southeast Alaska

Southeast Alaska represents the area in Alaska where Canada-bound salmon are most commonly intercepted by United States fishermen. Maturing sockeye migrating primarily to the Skeena and Nass Rivers in northern British Columbia, frequently make their landfall off the coast of Southeast Alaska where they are subjected to an active United States seine fishery operating at Noyes Island off the west coast of Prince of Wales Island (Area 4 in Figure 3). As these sockeye move towards the rivers they also pass close to the southeastern corner of Southeast Alaska (Areas 1A and 1B in Figure 3) where United States gillnetters operate. Tagging also indicates that some British Columbia-bound sockeye are present in the inside passages of Southeast Alaska, particularly in Inner Clarence Strait (Area 6 in Figure 3). British Columbia-bound pink and chum salmon are intercepted in approximately the same locations. Coho salmon are intercepted in the same net fisheries, but substantial numbers are also taken in the troll fisheries more broadly throughout the waters of southern Southeast Alaska. British Columbia-bound chinook salmon are taken mainly by troll fisheries throughout Southeast Alaska. Salmon of all 5 species bound for Canadian sections of rivers draining to the sea through Southeast Alaska (primarily the Alsek, Taku and Stikine Rivers) are also intercepted by United States fishermen. Substantial portions of these interceptions have been made in the estuaries of these rivers (Areas 8, 11 and, not shown in the chart, Area 82 - the Yakutat area to the north). Some are also intercepted in net fisheries in the Straits on the approaches to the transboundary rivers (e.g., Area 6 outside the Stikine River). For coho and chinook, however, many interceptions occur in extensive troll fisheries operating throughout Southeast Alaska waters and off the west coasts of Chicagof, Baranof and Prince of Wales Islands.

5.2.1 Interceptions during 1951-1982

During negotiations toward a comprehensive treaty for bilateral management of the salmon fisheries, United States and Canadian scientists made estimates of the numbers of British Columbia-bound salmon taken in various Southeast Alaskan fishing areas. For 1972-1978, their estimates are recorded in a series of Reports of the Technical Committee on Salmon Interceptions. Estimates made by the scientists of the two countries differed, but for most areas differences were relatively small.[1] Canadian scientists have since modified estimates for recent years in the light of the results of new tagging studies and have made independent estimates of interceptions during 1979 through 1982 (Fletcher, pers. comm. 1984).

The present report utilizes Fletcher's figures to provide estimates of the numbers of British Columbia coastal sockeye intercepted by Alaskan fisheries during 1967 through 1983. For all 5 species of salmon bound for coastal rivers of British Columbia, Fletcher's figures are listed opposite the appropriate years in Tables 65 through 66.

For 1951 through 1966, the authors have applied estimated percentage interception rates developed by Canadian scientists for reports of the Technical Committee loc. cit. to catch data by individual Statistical Areas provided by the Alaska Department of Fish and Game (Anon. 1984). The estimates do not take into account Fletcher's adjustments made mainly to account for recent changes in the relative strength of stocks and in the distribution of fishing effort; it was felt that the original estimates would provide the most reasonable reflection of interception patterns in the pre-1967 period.

For sockeye, interceptions of British Columbia coastal sockeye were considered to have occurred in three portions of Area 1 (Subareas 1A, 1B and 1F) and throughout Areas 2, 4 and 6 (see Figure 3). Sockeye bound for Canadian sections of transboundary rivers are considered to be intercepted in Areas 6, 8 and 11.

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[1] Similar estimates were made for all 5 species for the entire north American coast. Overall the difference in estimates by scientists of the two sides (in terms of value) amounted to about 12%.

For 1951 through 1966, catch data for areas comparable to modern Statistical Areas 2, 4, 6, 8 and 11 are available from published catch records of the Alaska Department of Fish and Game (1981). Unpublished statistics (Anon. 1968) provided by the Alaska Department of Fish and Game are available for Subareas 1A and B for 1958 through 1966 but not after. Prior to 1963, but not after, Alaskan Statistical Areas were arrayed in a manner which permitted identification of catches in Subarea 1F. Data are therefore not readily available for Subareas 1A and 1B for 1951 through 1957 or for Subarea 1F for 1962-1966. In order to fill in these blanks, data for sockeye catches in Subareas within Area 1 for 1951 through 1983 were examined (Table 68). The Table shows that in 1957-1959, about half of the catch in Subareas 1A-D of Area 1 was made in Subareas 1A plus 1B (Column IX). Thereafter the proportion increased and in most recent years, the Subareas 1A and 1B catch has formed the bulk of the Area 1 harvest (Column X). The trend undoubtedly reflects changes in fishing patterns. In the 1950's and earlier, the majority of the sockeye catch in the Area was taken by traps; most of these were abolished in the early 1960's and gillnets, which operate mainly in Subareas 1A and 1B, became the predominant harvesters of sockeye in the Area. For these reasons, it is felt that the approximate percentage of the Area 1 sockeye catch taken in Subareas 1A and 1B in 1957-1958 would provide the best reflection of the proportion of sockeye catch taken in those Subareas during 1951 through 1957. On the basis of this approach, for this period, it was assumed that 50.9% of the sockeye catch in Subareas 1A-1D (the area equivalent to Statistical Area 101 that applied during the period) was made in Subareas 1A and 1B. For 1951-1957, the results of computations based on this approach are shown in Column I of Table 69.

It remains to estimate the sockeye catches in Subarea 1F during 1963 through 1966. As the proportionate catch in Subareas 1A and 1B rose (see above) in the 1960's, those for Subarea 1F tended to decline (Table 68). During 1960-1962, the percentage of the total Area 1 sockeye catch taken in Subarea 1F averaged 23.1%. Data are not available for 1963 through 1970, but by 1971, the proportion of the Area 1 catch made in Subarea 1F had become highly variable. Undoubtedly, these variations were associated with changes in the Alaska regulatory regime which had marked effects upon fishing patterns. Because of the variability in later years, it was felt that the average percentage during 1960-1962 would provide the most reasonable reflection of the distribution of catches between Subarea 1F and the remainder of Area 1 during the later years 1963-1966 (Column III of Table 69).

Using the data on percentage interception rates for sockeye from Reports of the Technical Committee on Salmon Interceptions loc. cit., estimates of the numbers of sockeye bound for the rivers of coastal British Columbia during 1951 through 1966 are listed in Columns II, IV, VI, VIII, X and XI of Table 69. The total numbers are included for the appropriate years in Table 65. Estimates of interceptions of sockeye bound for Canadian sections of transboundary rivers are developed in Table 70 by applying estimates of percentage rates from the Technical Reports to Alaska catch statistics for appropriate fishing areas. The total "transboundary" interceptions are included, for the appropriate years, in Column V of Table 65.

Interceptions of pink salmon bound for coastal British Columbia rivers are considered as being significant only in Alaska statistical Area 4 and in Subareas 1A and 1B. Using the interception rates from the Technical Committee Reports, estimates of the numbers of pinks intercepted in the above-mentioned areas are calculated in Table 71. As with sockeye, it was necessary to estimate the proportion of the Area 1 catch that was made in Subareas 1A plus 1B during 1951 through 1957. Following a procedure similar to that used for sockeye, data on catches within Area 1 during 1951 through 1980 were examined (Table 72).

The data indicate that there is a marked alternation in catches between the even and odd-numbered years, with the even year catches exceeding those in the odd-numbered years. There also tended to be an alternation in the percentage of the total Subareas 1A-F catch taken in Subareas 1A and 1B with the odd-year percentage tending to be higher than that of the even-numbered years (except for 1958). By the late 1960's, the pattern of the fisheries within Area 1 began to be affected by regulations and it was therefore felt that the best way to estimate the proportional catch of pinks in Subareas 1A and 1B prior to 1957 was to apply the percentages observed in the Subareas between 1958 and 1964 (the earliest years for which a breakdown was available) to the total catches in Subareas 1A-F. The averages for even and odd-numbered years were 12.3 and 21.5% respectively. For 1951 through 1957, the results of applying these percentages to appropriate catch data are shown in Column I of Table 71. Estimates of interceptions of pink salmon for 1951-1966 are shown in Column V of the Table.

Following procedures similar to those used for sockeye, estimated United States interceptions of pink salmon bound for Canadian sections of Southeast Alaska transboundary rivers during 1951 through 1966 are computed in Table 73. Total figures for those years are included in Table 66.

Interceptions of chum salmon bound for the coastal rivers of British Columbia were assessed as being limited to Statistical Area 4 and Subareas 1A plus 1B. As for pink and sockeye, it was necessary for 1951-1957 to estimate the proportion of the catch in Area 1 that was taken in Subareas 1A plus 1B. Table 74 arrays data on catches within Area 1 during 1951 through 1980. It was assumed that during 1951 through 1957, the proportion of the total Subarea 1A-D catch taken in Subareas 1A plus 1B was the same as the average taken during 1958 through 1962 (64.8%). This percentage figure was applied to the Subareas

1A-D data for 1951-1957 to provide the catch data for these years listed in Table 75. The Table also shows catches and estimated interceptions for Area 4 during 1951 through 1966. Total chum interceptions are listed in Table 65. Estimates of interceptions of "transboundary" chums are shown in Table 76, with totals listed in Table 65.

For coho, catch breakdowns within Area 1 are not available prior to 1967. For data from 1967 onward, Canadian scientists on the Technical Committee on Salmon Interceptions estimated that 45% of the coho in Subareas 1A and 1B, 25% of the coho in Subarea 1F and none of the coho in Subarea 1D and 1E, were bound for British Columbia rivers. Lacking Subarea breakdowns, in the present report it is assumed that during 1951 through 1966, 25% of the coho throughout Area 1 were bound for British Columbia. With this adjustment, the Committee's assumed rates of interception were applied to Alaska catch statistics to provide estimates of the numbers of British Columbia coho intercepted in various Alaska Statistical Areas. The results are summarized in Table 76. Data for transboundary river-bound coho are listed in Table 77. Total figures from both Tables are included in Table 67.

Chinook salmon originating in British Columbia rivers contribute to almost all fisheries within Southeast Alaska. Following procedures similar to those used for coho (see above), estimates of the numbers of chinook bound for Canadian coastal rivers and for Canadian sections of transboundary rivers are given in Tables 78 and 79 respectively. Summary figures are included in Table 67.

5.2.2. Interceptions prior to 1951

The only comprehensive body of data on catches in different parts of Southeast Alaska prior to 1951 was provided by Rich and Ball (1930) who conducted an exhaustive analysis of fish landing statistics throughout Southeast Alaska from the inception of the canning industry in the area in the 1870's, up to and including 1927. Prior to 1904, records were rather sketchy but from 1904 onward, cannery operators were required to provide information on the locations of capture (by geographic locations such as bays and points) of fish they processed. Rich and Ball aggregated information on catches at hundreds of places throughout Southeast Alaska into catches within 17 districts. and were able to assign most of the catches to district of capture. In a few years, however, the proportion of unassigned fish was relatively high (up to 28%).

Rich and Ball's districts do not conform exactly with modern ADFG Statistical Areas. By adding or subtracting data for individual catching sites to District totals, however, figures for catches within areas corresponding approximately to ADFG areas can be generated. For example, Rich and Ball's Nakat District covers present-day ADFG Subarea 1A but there is no comparable subdivision covering present-day Subarea 1B. However, three of the catching sites within Rich and Ball's Revillagigedo Channel District - Tree Point, Foggy Point and Foggy Bay - roughly cover Subarea 1B, and catches for these sites were used to reflect landings from the Subarea.

In some years, information on harvests by catching sites within districts is spotty. For example, as shown in Table 80, substantial portions of the Revillagigedo Channel District catch could not be broken down by catching location during 1906-1908 and from 1913 through 1921. For 1901-1903, no catches were assigned to the Revillagigedo District at all. For this reason, the approximation of catches for the pre-1928 period within the boundaries of modern Subareas or Areas by the use of individual landing site data is likely to lead to underestimation. There is no objective basis for deciding on the probable location of capture of the unassigned catch and such allocation procedures were not attempted. Nevertheless, the numbers of fish involved were generally not great and for purposes of this report, the aggregated data by catching site is considered to at least indicate the order of magnitude of catches within areas where interceptions are believed to have occurred.

Tables 81 through 89 list catches for combinations of Rich and Ball's Districts and individual catching sites approximately equivalent to modern Statistical Areas. These catches were used as a basis for estimating interceptions in the pre-1928 period. Table 90 provides estimates of interceptions of sockeye bound for British Columbia rivers, derived by applying the Technical Committee's rates of interception to the catch data listed in Tables 81 through 89. Figures for total interceptions are entered in Table 65. Estimates for interceptions of sockeye bound for Canadian sections of transboundary rivers are derived in Table 91.

Comparable data are given for pink and chum salmon in Tables 92-94.

For coho, with Canada-bound fish making contributions to many fisheries, it was not practical to develop statistics for areas directly comparable to the modern ADFG Statistical Areas. Instead, the Technical Committee scientists' estimated interception rates were applied to catch data for the Rich and Ball districts corresponding most closely to the modern ADFG Areas. Thus, as an example, the scientists's estimate of 25% which applied to Statistical Area 1 was applied instead to the Rich and Ball Nakat Bay District catches. Similar procedures were followed for other areas and the results are given in Table 95. For only one district was the percentage rate changed from that used in the Committee report; in the Sumner Strait district, the Committee's figure (8%) was cut in half because the district used by Rich and Ball encompassed almost twice as much area as the most closely corresponding modern Statistical Area (Area 5).

Similar approaches were taken to estimating interceptions of coho bound for Canadian sections of transboundary rivers (Table 96) and chinook salmon bound both for the coastal rivers of British Columbia (Table 97) and Canadian sections of transboundary rivers (Table 98).

Having estimated interceptions up to and including 1927 and during 1951-1982, it remains to make determinations for the intervening period, 1928-1950. For sockeye, as shown in Column IV of Table 65, the estimated proportion of British Columbia fish in the southern Southeast Alaska catch was similar in the four years preceeding and succeeding 1928-1950 (averaging 18%). It was therefore assumed that during 1928 through 1950, the same percentage applied. Estimates based on this assumption are included against the appropriate years in Column III of Table 65. With respect to sockeye bound for Canadian sections of transboundary rivers, the average percentage of the total Southeast Alaska catch formed by Canadian transboundary fish during 1924-27 and 1951-54 (9.3%) was applied to total Southeast Alaska catches of sockeye during 1928-1950. Similar approaches were used to estimate interceptions for chums (Table 65), and for pinks (Table 66). For coho, estimated percentage interceptions throughout Southeast Alaska in the pre-1928 period were substantially lower than they were in the post-1950 period (e.g., for British Columbia coastal fish, 8.3% during 1924-27 compared to 16.4% for 1951-54). The percentage prevailing during the pre-1928 period was used to estimate percentages during 1928-1950. For chinooks, the percentage interception rates for all of Southeast Alaska were relatively similar in both the early and late periods and averages for 1924-37 and 1951-54 combined were therefore used to estimate interceptions during 1928-1950 (Table 67).

5.3 Summary

Information developed in this Chapter, combined with information on interceptions of Alaska-bound salmon by Japanese and Canadian fishermen (from Sections III and VII), are summarized in Tables 99 through 104 in order to estimate the net annual production of salmon from Alaskan rivers (i.e., total numbers of salmon caught in Alaska minus interceptions by Alaskan fishermen of salmon bound for Canada plus interceptions by Canadian and Japanese fishermen of salmon bound for Alaska). Comparable data in terms of weight are summarized in Tables 105-110. Production in terms of weight was estimated by adding the weight of Canadian and Japanese interceptions and subtracting the weight of Alaskan interceptions from estimates of the total landed weight of salmon caught in Alaskan waters.

CANADA

6.0 FISHERIES OF CANADA

Long before Europeans came to North America, Pacific salmon played an important role in the cultural and economic life of Native Indians inhabiting the coastal areas and major river basins of British Columbia. In the early 1800s, salmon were a vital element in trade conducted by the Hudson Bay Company; as early as 1835, salmon caught in the lower reaches of the Fraser were pickled and exported to the Hawaiian Islands. The modern salmon fishing industry began with the establishment of salteries in the lower Fraser in the early 1860s. The first commercial cannery in British Columbia (which succeeded some experimental operations in the late 1860s), began operating on the Fraser in 1870. The industry expanded steadily and spread along the coast throughout the remainder of the Century; canning operations began on the Skeena River in 1877 and on the Naas and at Rivers Inlet in 1881. For the first 40 years of the fishery, however, efforts were concentrated on the Fraser, probably the world's single most prolific salmon producing system at the time. There, the cyclic appearance of immense numbers of sockeye every four years (in the 1901-1905-1909, etc. "cycles"), and of pink salmon in odd- numbered years, led to the operation of 39 canneries at the peak of the fishery. Destruction of the greater part of the runs by the disastrous Hells Gate slide (which prevented virtually all of the 1913 and 1914 runs from reaching upstream spawning grounds), led to a major decline in activity on the Fraser. Fishing and canning activities expanded elsewhere, with the peak of the British Columbia fishery (at least in terms of tonnage of salmon) being reached in the 1930s. Statistics of catch in Canadian commercial fisheries in British Columbia waters have been arrayed by Argue et al. 1984 (see Tables 55a and 55b of the aforementioned paper).

6.1 Interceptions in British Columbia

Canadian fishermen operating in northern British Columbia intercept substantial numbers of pink salmon (particularly in the even-numbered years) bound for the rivers of Alaska. Lesser numbers of Alaska-bound chum and coho and a few sockeye are also taken in these northern waters. The major interceptions by Canadian fishermen of United States salmon consist of chinook and coho salmon bound for the rivers of Washington and the Columbia River (a few chinook bound for the more southerly rivers of Oregon and California and upstream tributaries of the Columbia in Idaho, are also taken). Most of these interceptions occur in the extensive coast-wide troll fishery. Canadian fishermen operating in southern British Columbia waters also intercept quantities of chum salmon and, in the odd-numbered years, pink salmon bound for the rivers of Puget Sound in Washington State. Small numbers of sockeye (bound mainly for Lake Washington) are taken as well.

As outlined in more detail in Section V dealing with Alaskan fisheries, in the context of the work of an International Technical Committee on Salmon Interceptions, and later in Canada/United States negotiations, Canadian scientists estimated the total numbers of United States salmon intercepted by Canadian fishermen during 1967 through 1982. The results of their analyses, in terms of numbers of fish, are included for the appropriate years in Tables 122 through 127. The Tables also include estimates of the total weights of intercepted salmon derived from the data on numbers of salmon intercepted. The method employed provides only approximate results: more precise estimates could have been provided by applying estimated interception rates to weights of fish caught in individual fishing areas. However, the authors are conducting an extensive review of existing British Columbia catch statistics with a view to improving their accuracy. It was felt, therefore, that pending the development of more accurate statistics, such laborious area by area calculations would not be warranted. It is believed that the approximate techniques used provide reasonable estimates that are not subject to consistent biases. Briefly, the techniques involved:

For sockeye, pink and chum salmon in northern British Columbia, by far the greatest number of interceptions occur in Statistical Area 3. For 1951-1982, the average annual weights of salmon caught in Area 3 were therefore applied to data on the number of salmon interceptions to estimate the total weight of salmon intercepted. Argue et al.'s estimate of average weight for the pre-1951 period was used for the earlier years. A similar approach was taken for sockeye, pink and chum salmon in southern British Columbia by using average weights for the principal southern interception fishing Areas - Juan de Fuca Straits (Areas 19 and 20).

Chinook and coho interceptions occur broadly throughout British Columbia waters and form relatively higher proportions of the catch than do the other three species. For chinook and coho, average weights throughout the Province were applied on an annual basis to data on the numbers of salmon intercepted.

For 1951 through 1966, following procedures outlined in Section V, the interception rates used by Canadian scientists for the 1967-1983 period were applied to statistics of catch in various Canadian fishing areas to generate similar estimates of numbers of Alaska-bound salmon intercepted during the earlier years. The data are arrayed in Tables 111-115 and recapitulated in Summary Tables 122-126.

Estimation of interceptions of Alaska-bound salmon for years prior to the mid-1950s poses a number of problems. Catch breakdowns by area and by gear utilized in most recent analyses are not available for many areas prior to the early 1950s. It was therefore not possible to make direct estimates of interceptions in the specific fishing areas in which the interceptions occurred. In general, the approach taken to overcome these problems involved making assumptions about the portions of catches for larger areas that were made in specific intercepting fisheries within these areas. For example, for Area 3 (the Naas), most interceptions of Alaska-bound sockeye occur in the westerly offshore portions of the Area - Subareas 3X and 3Y. Subarea breakdowns, however, are not available prior to 1956. In order to arrive at estimates, it was assumed that, prior to 1956, the portion of the Area 3 catch that was made in Subareas 3X and 3Y was the same as it had been during 1956-1966. It was further assumed that the relative strengths of Alaska-bound and local Canadian fish in the fisheries were the same in the pre and post-1956 periods. On these bases, the percentage that Alaska-bound sockeye formed of the total Area 3 sockeye catch before 1956 was considered to apply in the pre-1956 period.

Whereas the precise history of the Area 3 fishery is not well documented, it is unlikely that the assumption about the constancy of the proportion of the Area 3 fishery taking place in Subareas 3X and 3Y would hold true in the earliest days of the fishery. At the beginning of the British Columbia salmon fishery, almost all fishing took place in the estuaries of the rivers and such fisheries would not have intercepted significant numbers of salmon bound for United States rivers. The spread of the fisheries from the estuaries to areas further offshore is not documented and it is therefore difficult, for most areas, to define when intercepting fisheries began. By the 1920s, trollers and purse seiners ("mobile" gear fishing mainly outside the estuaries) were already active in the fishery. For example, in 1920 (the first year for which records of catches by gear are available), purse seiners took about one-third of the total British Columbia catch. Trollers in that year took about one-third of the total catch of chinook, coho and steelhead. Until firmer data are available, for purposes of the present report, it was arbitrarily assumed that most offshore intercepting fisheries did not begin operations prior to 1910. On this basis, it was assumed that fishing in the offshore portions of Area 3 (with consequent interceptions of Alaska-bound sockeye), began in 1910.

With the foregoing as background, Table 111 provides estimates of Canadian interceptions of Alaska-bound sockeye from 1910 through 1966. For 1956 through 1966, estimates by Canadian scientists of 7% interception in Subareas 3X and 3Y were applied to available statistics for those Subareas. During the period, it is noted (Column IX) that the estimated interceptions formed a relatively stable percentage of the Area 3 sockeye catch as a whole (averaging 3.03%). For 1910 through 1955, it was assumed that a similar proportional relationship existed between sockeye interceptions in Area 3 and the total Area 3 sockeye catch. Estimates based on this assumption are listed in Columns VIII and X of the Table. Canadian scientists also estimated that a small proportion (2%) of the sockeye catch made in the outside portions of Area 1 consisted of salmon bound for Alaska. A review of catch statistics for the period following 1968 indicated that the majority of the Area 1 sockeye catch was made outside the inlets. On this basis, for the period for which Area catch statistics are available (1951 onwards), the scientists' estimated interception rate was applied to the entire Area 1 catch. Area 1 data are not available for earlier years; it is noted however, that the estimated number of intercepted salmon involved was very small, and lack of statistics for earlier years would have made little impact on the present analysis.

A similar approach was taken for other Canadian fisheries intercepting Alaska-bound salmon. Tables 112 and 113 list data of numbers of pink salmon intercepted in even and odd-numbered years respectively. For the even-numbered years, on the basis of post-1968 data, it was assumed that 5% of the Area 1 catch was made outside the inlets and that in the odd-numbered years, the entire Area 1 catch was made in outside waters.

Tables 114 and 115 list similar data for chum and coho salmon. For the latter species, a substantial portion of the estimated interceptions occur in the troll fishery operating throughout Areas 1-6. Area breakdowns for the troll fishery are not available prior to 1951. However, it can be noted in Table 115 that, during 1951-1966, the total number of interceptions of Alaska-bound coho formed a relatively stable percentage of the total British Columbia troll catch of coho (averaging about 3.16%). For the portion of the pre-1951 period for which estimates of total British Columbia coho troll catches are available (from 1920 through 1950), it was assumed that 3.16% of those catches consisted of Alaska-bound fish. Records of troll catches are not available prior to 1920. In the early 1920s, however, estimated troll interceptions were relatively low (10-20,000 coho) compared to those in later years which frequently have exceeded 100,000.

Canadian scientists believe that Canadian interceptions of Alaska-bound chinooks are negligible.

With respect to Canadian interceptions of salmon bound for United States rivers of the Northwestern United States, the International Pacific Salmon Fisheries Commission (IPSFC) provided estimates of the numbers of Washington-bound sockeye taken in Canadian fisheries in the Juan de Fuca Strait area for 1967 through 1983. These are listed in summary Table 111. With occasional exceptions, the numbers of such fish were small and during the 1960s, averaged about 5,000 fish. Most were taken in the outer Juan de Fuca net fishery which began on a substantial scale in 1946. On the basis of the foregoing, it was assumed that interceptions during 1946 through 1966 averaged 5,000 fish per annum and that they were negligible prior to those years.

Washington State pinks are present in commercial quantities only in the odd-numbered years. Table 116 provides data on estimated interceptions of such fish in Canadian fisheries. For 1959 and 1961, estimates were derived from the results of international studies (Vernon et al. 1964 and Hourston et al. 1965). IPSFC made similar estimates for 1963 and 1965. For 1937 through 1957, Hourston et al. estimated the proportion of Washington State pinks in the runs of pinks passing though Juan de Fuca Strait. The proportions developed from their analyses were applied to estimated Canadian catches in Juan de Fuca Strait to estimate Canadian interceptions in the appropriate years. For earlier years (back to 1911), it was assumed that the percentage of Puget Sound pinks in the Canadian Juan de Fuca catch was the same as it was during the first two cycle years (1937 and 1939) for which Hourston et al. derived estimates of the proportional representation of Washington State runs (17.45%).

Estimates of interceptions of Washington-bound chum salmon (considered to occur only in Juan de Fuca and Johnstone Straits), are developed in Table 117, applying interception rates developed by Canadian scientists in the Canada/United States Technical Committee to catch data for the appropriate areas back to 1910.

Similar approaches were taken to develop estimates of interceptions of Washington-bound coho and chinook during 1951 through 1966 (Tables 118 and 119). Data base records (Wong, 1983) of numbers of fish by area by year used for the analyses contain some unavoidable systematic errors (associated with lack of information on size of fish by gear in earlier years - see Argue et al. 1984). As a result, summation of individual area total catches on a British Columbia-wide basis provide a different total than the published record of the total provincial catch. Estimates of interceptions were adjusted on a proportional basis to compensate for these differences (Tables 120 and 121). For years prior to 1951, catch data by areas are not available in sufficient detail to apply the same procedures as were used for the most recent years. Most interceptions of coho and chinook occur in the troll fisheries. In Tables 120 and 121, it will be noted that, during the earliest years for which detailed area catch statistics are available (1951-1954), intercepted coho formed an average of 28.5% of the total Canadian troll catch of coho (varying between 20.6 and 36.6%), and intercepted chinook formed an average of 61.6% of the total chinook troll catch (with a narrower range of variation - between 53.2 and 65.3%). For purposes of this report, it was assumed that the proportional representation of Washington-bound fish in the troll catch in years prior to 1951 was the same as it had been during 1951-1954. Estimates of interceptions based on these assumptions are listed in Column V of Tables 120 and 121. The only other fishery for which substantial interceptions were considered to have occurred was the net fishery in Juan de Fuca Strait. The rates of interception estimated by Canadian scientists were applied to approximate records of catches for the Juan de Fuca area back to 1910 to develop estimates of the numbers of Northwest United States coho and chinook taken in the fishery.

6.2 Summary

Tables 122 through 127 summarize information on interceptions by Canadian fisheries. The Tables also list interceptions of Canada-bound salmon by United States fishermen in Alaska (from Section V) and in Washington (from Section VII) in order to estimate total production from the coastal rivers of British Columbia.

THE NORTHWEST STATES

7.0 FISHERIES OF THE NORTHWEST STATES OF THE UNITED STATES

7.1 Introduction

Commercial fishing for salmon in the "lower 48" states of the United States began in the 1830's, in connection with the fur trade. In 1832, Captain Nathaniel J. Wyeth established a fishing station at Fort Hall, on the Lewis River, a tributary of the Columbia (Cobb, 1930). Members of Captain Wyeth's party expanded operations to other parts of the Columbia in 1833, but the operations were not successful and were suspended in 1835. Over the next two decades, spasmodic attempts made by others to establish commercial ventures met with little success.

William Hume and two colleagues launched a gillnet fishery in the Sacramento River in California in 1852. Hume and a number of other associates established the world's first Pacific salmon cannery at their Sacramento fishing site in 1864. The operation continued on a spasmodic basis, reaching its peak in the early 1880's.

In the meantime, beginning in 1857, an active salting industry developed on the Columbia and, in 1866, Hume established a cannery on the river at Eagle Cliff, about 40 miles above Astoria in Washington State. The opening of the cannery led to the development of a burgeoning fishery which reached its peak in the mid-1880's. The early fisheries were dependent almost entirely on large red-fleshed chinook salmon.

The salmon fisheries gradually spread to other rivers along the coasts of Oregon and California in the 1870's and 1880's but on the basis of available records, it would appear that development of salmon fisheries in the outer coastal rivers of Washington and in Puget Sound was slower. Aside from some short-lived operations in the Point Roberts area in the 1860's, the first commercial production operation in the Puget Sound area appears to have been a saltery established near Mukilteo in inner Puget Sound in 1873. The fisheries apparently did not expand to the San Juan Islands-Point Roberts-Juan de Fuca Strait area, where the abundant Fraser River runs could be harvested, until the extension of the railway to Puget Sound in the late 1880's provided ready means for commercial shipment of processed products. The major development of fisheries in the "outside" waters on the approaches of the Fraser began in earnest in the 1890's with the establishment of canneries at Semiahmoo near Blaine (1891), Point Roberts (1893) and Friday Harbour (1894). The "outside" fishery was initially dependent on the successful operation of traps which provided the lions share of the catch until after World War I when purse seines began to compete actively with the trap operations (Rounsefell and Kelez 1938).

The runs to the Columbia and Sacramento Rivers declined markedly throughout the early decades of the Twentieth Century and, until the Hells Gate Slide in 1913 decimated the runs to the Fraser River, the Puget Sound "outside" fishery, concentrating on Fraser-bound sockeye and pink salmon, became the most important fishery in the Northwest States. In the past 40 years, the Fraser runs have gradually recovered from the effects of the slide and of probable overfishing, and continue to make important contributions to the Washington State fishery.

Trolling for chinook and coho salmon, based on traditional Indian fishing methods, became important with the introduction of engines into the salmon fishery in the early 1900's. By 1908, Washington State trollers were fishing well out into Juan de Fuca Strait and by 1911, were operating in the open ocean around Cape Flattery (Rounsefell and Kelez 1940). The United States troll fisheries expanded along the coasts of Washington, British Columbia, Oregon and California during the next three decades and, until recently, represented an extremely important element in the coast-wide salmon fishery of the Northwest States. In recent years conservation problems have led to drastic restriction of the troll fishery. Catches by sports fishermen have increased proportionately and, in the light of recent court decisions, management policies have been directed toward allowing larger fractions of the runs to escape into inshore waters to increase the catches by the Indian tribes.

7.2 Records of Commercial Harvests

7.2.1 1922-1982

Tables 128 through 133 summarize data on commercial catches of salmon throughout the Northwest United States from 1889 through 1982. For 1959 through 1982, official catch statistics provided by authorities of Washington, Oregon and California, as summarized in INPFC Bulletin 39 (1979), have been used. The same source has been used to provide estimates of catches in both numbers and weights for Washington catches from 1922 through 1958 (except for sockeye from 1922 through 1935 - see below); for numbers and weights of salmon caught in Oregon from 1938 through 1958; for weights of salmon caught in Oregon from 1922 through 1937; and, for weights of salmon caught in California in 1948 and 1950 through 1958.

For Oregon, for 1922 through 1937, the numbers of salmon caught were estimated by determining the average weights of fish of each species during 1938-1947, the first decade for which data on both numbers and weights were available (Table 134), converting the total catch in terms of weight to numbers using these averages.

A similar procedure was used to estimate numbers of chinook and coho for California for 1948 and 1950 through 1958. Table 134 illustrates the calculation of the conversion factors.

For 1922 through 1947 and in 1949, California catch data are limited to estimates of total weight of catch only, without a species breakdown. To estimate species composition during 1922 through 1947 and in 1949, species breakdown data for 1948 and 1950-1953 (the first five years for which such data were available) were examined. As shown in Table 134, chinook salmon consistently formed over 90% of the commercial catch (in the aggregate averaging 91.7%), with coho forming the remainder. The average proportions for these two species during 1948 through 1953 (excluding 1949) were applied to the total weight data for 1922 through 1947 and for 1949 in order to provide estimates of the total weight of the catches of the two species in those years. The conversion factors developed in Table 134 were used to provide equivalent estimates of catches in numbers.

As will be explained below (Section 7.2.1), prior to 1935, it is likely that Washington statistics did not include substantial quantities of salmon caught beyond the 3-mile limit outside Cape Flattery. The International Pacific Salmon Fisheries Commission, however, has developed estimates of the total United States catch of sockeye salmon on the approaches to the Fraser River, including the offshore waters. In most years, these, combined with catches of sockeye by both Washington and Oregon fishermen on the Columbia River, provide totals which exceed the aggregate Washington and Oregon total catches of sockeye listed in INPFC Bulletin 39 (see Table 135). For this reason, for 1922 through 1934, estimates of the aggregate Washington and Oregon catches of sockeye were obtained by summing the INPFC figures for sockeye catches on the approaches to the Fraser and the Washington/Oregon catch of sockeye on the Columbia. Whereas these figures are probably more complete than the "official" statistics summarized in INPFC Bulletin 39, they still represent underestimates of the total sockeye catch since sockeye are caught in areas of Washington other than around the Puget Sound/Juan de Fuca and Columbia River areas. For example, from 1935-1969, an average of 427,000 sockeye were landed in the Grays Harbour area. Nevertheless, the combined data described above provide a more complete count of the total sockeye catch than do the data listed in INPFC Bulletin 39. The data set developed as outlined above was used to provide the estimates of total Northwest United States catch of sockeye, in numbers of fish, for 1922 through 1934 (Table 128). The data were converted to weights in Table 130 using the long-term average weight of Fraser River and Columbia River sockeye (6.128 lb for Fraser fish, based on data presented by Killick and Clemens (1963), and 3.74 lb for Columbia fish (see Table 150).

For the other species, there are no independent data on Washington State catches and the authors have therefore been forced to accept the probably incomplete estimates of Washington catches for 1922 through 1934 listed in INPFC Bulletin 39.

7.2.2 1864-1921

For 1889-1892, 1895, 1899, 1904, 1908, 1909 and 1910, reports of the United States Commissioner of Fisheries provide estimates of what are purported to be total landings of salmon in each of the three states (Tables 136-140). Cobb (1930) provides data on the production of canned and mild-cured salmon by areas (mainly river systems) throughout the three states. His data (converted to metric tonnes) are summarized in Tables 141-146. Cobb's estimates of cases were converted to live weight assuming that 80 lb of whole salmon were required for each 48 lb. case. Cobb's estimates of mild-cure product were converted to live weight assuming that for each "tierce" (weighing 1000 lb., containing 800 lb. of processed product - Cobb, loc cit) of product, 1600 lb. of raw whole fish were required (Rich, 1926). Cobb's data are compared to those of the Commissioner of Fisheries in Table 147. For years prior to 1901, the two sets of information appear reasonably consistent. Cobb's figures (covering only two products, omitting salted, fresh/frozen and smoked fish) were almost always less than those of the Commissioner. Data for chinooks in 1895 were an exception with the Commissioner's estimate (equivalent to 17,415 tonnes) being significantly lower than Cobb's (18,220 tonnes), but, reflecting the fact that the bulk of the sockeye were always canned and that prior to 1900 the vast majority of the chinook were also canned (until mild-curing began in 1897 - Cobb, loc. cit.), figures for those two species for the two sets of data were relatively close. For chum and coho salmon, the Commissioner's figures were much higher than those of Cobb, probably reflecting the fact that substantial quantities of those species were processed by means other than canning (e.g. coho were commonly smoked, salted or sold on the fresh/frozen market).

From 1901 onwards, the Commissioner's figures for sockeye were usually lower than Cobb's. For the two years following 1901 that the Commissioner's report provided estimates (1909 and 1915) the latter were much lower than Cobb's. For the products he covered (canned and mild-cured) Cobb's data were based on information on outputs by individual firms. From 1901 onwards, breakdowns by firms were provided annually in Pacific Fishermen Yearbooks. In aggregate the Yearbooks' data coincide with Cobb's. Thus, for these later years, Cobb's data seem to provide a better estimate of production in the fish plants than did the Commissioner's information. A possible explanation for these discrepancies is that, during the period under discussion, there were substantial imports from Canada (up to 10,000 tonnes per annum) of raw fish into the United States to meet the needs of the canneries. Production from these imported fish would presumably have been included in Cobb's figures and in those listed in the Pacific Fisherman Yearbook but would not have been included in the Commissioner's tabulation which was intended to cover landings by United States fishermen. For 1901, Cobb's data are incomplete with respect to species breakdown (packs by river system broken down by species comes to substantially less than his overall total pack for all system and all species). The deficiency is apparently due to underestimation of species other than sockeye; as shown in Table 147 Cobb's figures are drastically smaller than those provided by the Commissioner of Fisheries, representing an obvious anomaly.

On the basis of the foregoing assessment, for purposes of the present report, the following selection of data sources has been made:

- for years prior to 1900, for which the United States Commissioner of Fisheries has provided data on estimated landings by United States fishermen (1889-1892, 1895 and 1899), the latter source of data was used;
- for 1901, Cobb's estimate of sockeye production was used, but the Commissioner of Fisheries data were used for the other species; and
- for 1864-1888, 1893, 1894, 1896-1898, 1900 and 1902-1921, yeas in which data from the United States Commissioner of fisheries were not available, Cobb's data were used.

The data selected on the foregoing basis are included in summary Table 133.

7.3 Interceptions

7.3.1. Sockeye

Virtually all sockeye taken by United States fisheries north of the Columbia River are taken in the fisheries inside Cape Flattery and consist of salmon bound for the Fraser River.

Fletcher (1984) has provided estimates of United States interceptions of Canada-bound sockeye for 1967 through 1983. These are listed against the appropriate years in Table 162 (and converted to estimated weights in Table 130). The International Pacific Salmon Fisheries Commission (IPSFC) has provided estimates of United States catches of sockeye on the approaches to the Fraser from 1900 to the present (IPSFC, 1980 -1983). From 1913 onward, the Washington Department of Fisheries provides data on the "catch of salmon in Puget Sound, excluding offshore". These latter reports apparently omit information on sizeable catches of sockeye made in net fisheries off Cape Flattery. Data on the total catches in the Juan de Fuca-Puget Sound area (i.e. including Cape Flattery catches), are provided in Washington State Statistical Reports for 1935 through 1974 (Wash. Dept. Fish., Report for 1974). For 1975 through 1982, Washington State provides records of the Puget Sound catch and the catch by trollers off Washington (the only type of fishery operating outside Cape Flattery during the period).

Table 148 compares the two sets of Washington State data with those of the Salmon Commission. With few exceptions, the IPSFC figures were slightly greater than those of Washington State for "Puget Sound". This probably reflects the fact that the latter body of did does not include catches made in the net fishery outside Cape Flattery which between 1935 (when records are first available) and 1957 (when offshore net fishing was prohibited) amounted to up to 80,000 sockeye per annum. The Washington State figures for both "Puget Sound" and the Cape (available from 1935 onward) are just slightly higher than the IPFSC estimates for most years. This reflects the fact that the total figure includes some Washington State catches of sockeye in inner Puget Sound (outside the Fraser Convention Area), which were not relevant to the Salmon Commission's studies of Fraser-bound sockeye. In most years, the difference was slight. A notable exception was 1971 when inner Puget Sound catches (made mainly in Roller Bay near Seattle and probably consisting of sockeye bound for Lake Washington), exceeded 300,000 fish. In the light of the foregoing, it is concluded that the IPSFC data provide the best reflection of catches in United States fisheries intercepting sockeye bound for the Fraser River from 1901 through 1982.

For years prior to 1901, data on the sockeye pack in Puget Sound canneries provided by Cobb (1930) were used to develop estimates of United States sockeye catches on the approaches to the Fraser. Duringthis period, it is believed that virtually all the sockeye taken by Puget Sound fishermen were canned and that imports of round sockeye from Canada for canning purposes were negligible. Canning operations began in the Puget Sound area in 1891. For 1891 through 1899, Columns I and II of Table 165 show conversions of Cobb's pack data to numbers of sockeye, assuming that 80 lbs of raw product were required to produce each case of product, and that, based on Killick and Clemens'(1963) long-term study of the sizes of Fraser sockeye, each sockeye weighed 6.128 lb. For 1901 through 1966, Column II of the Table lists the IPSFC catch data discussed in the foregoing paragraph. Although the vast majority of the sockeye catches listed in the Table are composed of sockeye bound for the Fraser, a few of them are contributed by stocks originating in Washington State producing systems, mainly Lake Washington in Inner Puget Sound. For 1967 through 1982, estimates of the total catch by Canadian and United States fishermen of local Washington State sockeye have been provided by IPFSC (Fletcher 1984). Estimates for earlier years are lacking. For the post-1967 period, IPFSC estimated interceptions of Washington State sockeye in Convention waters equivalent to about 1% of the Canadian catch in the Juan de Fuca area (the remainder of the Canadian Convention Area catch is made mainly in the Fraser estuary, where Washington State fish would not be found). Assuming that a similar percentage of the sockeye taken in United States fisheries in the Convention Area were bound for Washington State systems, the annual United States harvest of such fish would amount to about 16,000 sockeye per annum. For purposes of the present report, it is assumed that from the time the United States Puget Sound fishery began on an intensive scale (1897) through 1966, the annual Convention Area catch of sockeye bound for Lake Washington was 16,000 and that in the 6 years prior to 1897 for which catch data are available, Lake Washington fish formed 1% of the catch. Estimates of the number of Canada-bound sockeye taken in the Puget Sound fishery were obtained by subtracting the foregoing estimates of local Washington fish from the total catch. Estimates of interceptions for 1891 through1966, calculated as outlined above, are listed in Column III of Table 149.

In addition to interceptions of salmon in the Juan de Fuca-Puget Sound Area, United States fishermen, operating in the mainstem of the Columbia River, intercept small numbers of sockeye destined for Canadian upstream tributaries of the river (originally the Arrow Lakes and Okanagan systems). Davidson (1966) has provided a record of estimated commercial sockeye catches (in weight) in the Columbia River fishery from 1889 through 1965 (Column IV of Table 150). Occasional records of catches of Columbia River sockeye occur in early Reports of the United States Commissioner of Fisheries (e.g., Column VI of Table 150, from McDonald 1895). The Washington State Department of Fisheries (Wash. State Dept. Fish., Report for 1974), provides records of total United States (Washington and Oregon) Columbia Sockeye catches, in numbers and weights, for 1935 through 1974 (Columns I and II of Table 150). For 1970, data were available only for Washington State. For 1975 through 1982, catches of Columbia sockeye by Washington fishermen are recorded in Annual Statistical Reports of the Washington State Department of Fisheries (Wash. State Dept. Fish. Stat. Rept. for 1975 through 1982). During 1975 through 1980 (years for which data are available), except for 1977 and 1978 when very small catches of approximately 0.01 and 0.04 metric tons respectively were made, Oregon did not record any catches. For 1975 through 1982, Columns II and III of the Table list the recorded Washington catches plus the small quantitites of sockeye recorded by Oregon in 1977 and 1978 (using the number/weight conversion factor described below).

A review of the Table indicates that the estimated catches from the early reports of the United States Commissioner of Fisheries were somewhat higher than those provided by Davidson. For 1937 through 1965, Davidson's weight data were identical to those provided in the Washington State reports. His estimates for 1935 and 1936, however, were higher than those given in the Washington State reports.

For purposes of this report it is assumed that Davidson's data, based on a study of earlier literature, are likely to be the most reliable for the period he covered (1889 through 1965). The higher estimates for catches in earlier years provided in the United States Commissioner's report could well have been due to the inclusion of sockeye canned on the Columbia but caught in other areas. For 1966 through 1982, the Washington State data (with additional data for Oregon for 1977 and 1978) were used to provide estimates of total United States catches of sockeye on the Columbia.

Having derived data on total Columbia River sockeye catches, it is necessary to estimate the portions of those catches consisting of salmon bound for Canadian tributaries. As summarized by Allen and Meekin (1980), Columbia River sockeye were originally produced in 8 tributary systems. The Arrow Lakes system, on the mainstem of the Columbia River in Canada, was one of the most important producing areas. The other Canadian sockeye producing system was the Canadian portion of the Okanagan. Development of agriculture and construction of dams resulted in the virtual destruction of the Columbia sockeye runs in all but the Okanagan (mainly in Canada) and the Wenatchee (entirely within the United States) systems. By the early 1940s. the Okanagan run had been virtually destroyed but it was rebuilt to some extent during the 1950s. According to Allen and Meekin (loc. cit) the escapement to the Wenatchee system was double or greater than that in the Okanagan system around 1950. Since then, with considerable annual variations, the average escapements in the two systems have been of similar magnitude. It is very difficult to determine the relative levels of abundance of the runs in the pre-1940 and pre-dam periods. However, it is not unreasonable to assume that the runs to Canadian sections of the Columbia (the Arrow Lakes and Upper Okanagan systems) would have contributed in the order of half of the total Columbia sockeye production. On the basis of the foregoing, it is assumed that, throughout the history of the Columbia River fishery, Canadian tributaries to the River provided half the sockeye taken in the United States downriver fishery. Estimates based on this assumption are included in Columns VII and VIII of Table 150.

7.3.2 Pinks

Pink salmon caught by United States fishermen in and around Puget Sound, Juan de Fuca Strait and off Cape Flattery are composed of a mixture of stocks bound for the Fraser River, a number of rivers tributary to Puget Sound and a few Canadian rivers north of the Fraser. On an historic basis, the Fraser is by far the most important of all producing systems in the area, but in occasional years (e.g., 1963), the abundance of the Puget Sound runs has exceeded that of the Fraser. Fletcher (1984) has provided estimates of interceptions by United States fishermen during 1967 through 1983 (Table 151). An international tagging study conducted in 1959 and 1961 (Vernon et al. 1964 and Hourston et al. 1965), provided estimates of United States catches of pinks bound for the Fraser and other Canadian rivers in 1959 and 1961. For succeeding odd-numbered years, the Salmon Commission (IPSFC Ann. Rept. for 1963-1981) has developed similar estimates mainly on the basis of information provided by the international program. For 1959 through 1965, estimates of interception from the foregoing studies are listed against the appropriate years in Column IV of Table 151. For years prior to 1959, there are no independent data available on the destination of pinks caught by Washington fishermen. However, examination of the distribution of catches in the United States fishery in the Puget Sound-Juan de Fuca area provides some insight into the relative strengths of Canada-bound and United States-bound runs in some year. The international tagging study showed that the bulk of the United States catches of pink salmon bound for the rivers of Puget Sound were made in fisheries within Puget Sound (south of the IPFSC Convention Area) and at West Beach (inside the Convention Area); data from the program indicated that the total pink catches in these two areas were equivalent to 73.2% and 77.9% (average 75.5%) of the estimated total number of Puget Sound-bound pinks taken in the entire United States fishery in 1959 and 1961 respectively. Data on pink catches in the two fishing areas are available from 1935 (IPSFC Ann. Rept. for 1963). Assuming that the catch of Puget Sound pinks bore the same relation to catches in inner Puget Sound and at West Beach as it did in 1959 and 1961 (i.e., equivalent to an average of 75.5% of the total catch of Puget Sound-bound pinks), Column V of Table 152 provides estimates of the total United States catch of Puget Sound-bound pinks during 1935 through 1957. Estimates of the numbers of pink salmon bound for Canadian rivers were derived (Column VI) by subtracting these estimates from total Washington State catches of pink salmon. These data are repeated against the appropriate years in in Column IV of Table 151.

With respect to data before 1935, statistical reports of the Washington Department of Fisheries provide estimates of pink catches "on Puget Sound" back to 1913. For 1935 onward, catch data for fisheries "on Puget Sound" did not include catches made around Cape Flattery at the western end of Juan de Fuca Strait (separate data were provided for the Cape Flattery area). For 1913-1934, no data are given for the Cape Flattery area, and it is not known whether such data were included in the "on Puget Sound" record. By 1935, the Cape Flattery fishery had already reached a substantial level. For example, in 1935, the net catch of pinks there exceeded 800,000 (out of a total Puget Sound-Cape Flattery catch of 5.8 million pinks). Lacking other data, it was assumed that the pre-1935 data did include the Cape Flattery catch and, for 1913-1934, the "on Puget Sound" pink catch was used as a measure of the total number of pink salmon containing portions of Canada-bound fish that were exploited by United States fishermen in Washington State. As in the case of sockeye, pack data provided by Cobb (1930) were used to estimate Puget Sound catches prior to 1913 (See Tables 153 and 154 - 1889-1911 pack in cases converted to numbers of pinks assuming that 80 lb of raw product was required for each case and that the average weight per fish was 5.75 lb, the average weight indicated by Washington State statistics for the first decade for which information on both numbers and weight were given).

The pink catches for 1919 through 1957 were relatively stable (averaging 5.2 million per annum). For the 1919 through 1933 period, it was assumed that the proportion of Canada-bound fish during 1919 through 1933 was the same as it had been during 1935 through 1957. Estimates of interceptions derived on this basis are calculated in Column IV of Table 151.

As shown in Table 151, prior to 1919, pink catches in the area were much higher than in later years. During the early period, it is likely that the Washington State pink catch was overwhelmingly dominated by salmon originating in the Fraser River. The runs to the upriver sections of the Fraser were decimated by the Hells Gate slide of 1913 and the entire surviving run was probably subjected to overfishing resulting in reduction in catches of Fraser River fish of around 70% between 1913 and 1921 (See bottom of Table 151). The abundance of the runs in the pre-1913 era probably grossly exceeded the capacities of the fleets to harvest them. It is therefore likely that catch statistics provide an inadequate reflection of the strength of the Fraser runs during the early years of the fishery. Nevertheless, lacking data which would permit making a correction, it was assumed that catches during the peak years did reflect abundance. It was also assumed that the decline in catch between 1919 and the 1921 through 1957 period was due to the decline of the Fraser runs. On the basis of these assumptions, an approximation of the proportion of Canada-bound fish in the pre-1921 catches can be made. The average catches during 1911-1919 and 1921-1957 were approximately 12.8 and 5.2 million fish respectively, representing a decrease of 7.6 million pinks between the periods. Addition of this quantity to the estimated numbers of Canadian fish intercepted during 1921-1957 (approximately 3.9 million per annum), provides an estimate (approximately 11.5 million) of the total number of Canada-bound fish that would have been caught had the Fraser run not decreased. These fish would have formed approximately 89.9% of the hypothetical total United States catch. For the reasons outlined above, this figure probably represents an underestimate. Nevertheless, in Table 151, this percentage was applied to the total Washington State pink catch to provide the estimates of pink interceptions in Washington State listed against the appropriate years in Column IV.

7.3.3 Chum, coho and chinook

According to analyses conducted by Canadian and United States scientists in the context of treaty negotiations, interceptions of Canada-bound chum, coho and chinook salmon by Washington State fishermen were considered to occur in the Point Roberts, San Juan Islands and West Beach fishing areas and in the outer Juan de Fuca Strait fishing area. In addition, Canada-bound coho and chinook salmon were considered to be intercepted in the Washington and Oregon-based troll fisheries operating from Oregon northward to Southeast Alaska. For the net fishery, catch statistics broken down by "interception" areas were available to the authors back to about 1951, and for the troll fishery back to 1960. Canadian estimates of rates of interception were applied to the appropriate statistics providing estimates of interceptions in the following tables:

a) Table 155 for chum salmon (1950-1966);

b) Table 156 for coho net catches (1951-1954 and 1961-1966), and Table 157 for troll catches (1960-1966).

c) Table 1584 for chinook net catches (1960-1966), and Table 159 for troll catches (1960-1966).

Fine area catch divisions do not exist for earlier years. For this early period, it is necessary to estimate percentage interception rates over broader areas. For chum salmon, data are available for catches "on Puget Sound" and around Cape Flattery back to 1935. For 1951 through 1960, the percentage of the chum catch in the Puget Sound area estimated to be composed of fish bound for Canadian rivers, was relatively stable, fluctuating around an average of 23.7% before dropping drastically in the early 1960s to less than 10% (Table 160). Assuming that the percentage interception applying during 1951-1960 applied in earlier years, estimates of interceptions in Puget Sound during 1935-1949 were derived by applying the 1951-1960 percentage to data on chum catches "on Puget Sound" (Column II of Table 161). Estimates of intercepted fish in the small chum catches in the Cape Flattery area were obtained by applying the Technical Committee's estimates of interceptions in the "Outer Straits" Area (Area 2 - 80%) to the "Outside Cape" catches (Column IV of Table 161). As for pink salmon, data on catches "on Puget Sound" for 1913-1934 and pack data (from Table 153) were used as a measure of the total United States catch of chums containing all Canada-bound chums in Washington waters. Column V of Table 161 shows that in the years immediately following 1934, Canada-bound chums formed about 23.8% of the total "on Puget Sound" chum catch (a percentage virtually identical to the estimated rate for the inside catch because the inside catch formed such a high percentage of the total). Estimates of interceptions for 1889 through 1934 were derived by applying the percentage derived for the pre-1935 Puget Sound catch data (entries against the appropriate years in Column VI of Table 161).

Similar procedures were followed for estimating the contribution of Canada-bound cohos and chinooks to net fisheries in Puget Sound and off Cape Flattery. Catch data for 1913 through 1983 are provided in reports and unpublished data from the Washington State Department of Fisheries. Data for the pre-1913 period were derived from information on the volume of product produced in Puget Sound processing plants (Tables 144 and 145). Data on interceptions in separate fisheries for the earliest period for which they were available were used to develop an estimate of the average percentage interceptions deemed to have applied to the total catch of coho inside Cape Flattery for 1951-1954. The appropriate inside Cape Flattery aggregations of data are listed in Tables 156 and 158. On the basis of these data, it was estimated that 42.4% of the "on Puget Sound" net catch of fish consisted of coho bound for Canadian rivers and that, based on the 1960-1964 average, 25.6% of the chinook catch consisted of Canada-bound fish. Estimated interception rates used by Canadian scientists (developed in the context of the international negotiations) for the Outer Straits (35% for coho and 25% for chinook) were applied to catch data for the fishery around Cape Flattery. The resultant calculations are presented in Tables 162 and 164.

Catches in the troll fishery, broken down by area, are available back to 1960 (Wash. Dept. Fish. Stat. Rept. for 1964 and Wright and Brix, 1972- see Tables 157 and 159). As shown in Table 163, the overall proportion of intercepted fish in the catches of coho and chinook in the United States troll fishery dropped from the early 1960s to the 1970s and early 1980s. This reflected a withdrawal of United States trollers from waters off the Canadian coast to more southerly waters and the effects of regulations. It was felt that the overall interception rates in the troll fishery at the beginning of the 1960-1983 period would provide the most accurate reflection of interception patterns that would have applied during the pre-1960 period. Accepting this approach, the average interception rates calculated for 1960-1964 (14.7% for coho and 4.3% for chinook) were applied to data for the total Washington troll catches to provide the estimates of troll interceptions in 1959 and earlier years listed in Tables 162 and 164.

There are serious questions about the completeness of Washington State statistics on troll catches prior to 1935. Records of licenses issued (e.g., Wash. State. Dept/. Fish., Ann. Rept. for 1929 and 1930) and narrative accounts of the fishery development (e.g., Rounsefell and Kelez 1938) indicate that the troll fishery operating outside Cape Flattery, which began around 1910, developed relatively quickly and operated on a very substantial scale during 1910-1920. By 1917 (the first year for which records of troll licenses are available), almost 800 trollers were licensed to operate out of Puget Sound. This increased to over 1,000 in 1919 before declining drastically in the late 1920s to around 600-800. Despite these substantial levels of effort, records of troll catches for the period indicate only very small harvests; for 1917-1934, the Puget Sound troll catch varied from only a few hundred to about 25,000 chinooks and from about 23,000 to slightly over 100,000 coho. These low levels contrast with records of relatively high catches in 1935, the first year the modern statistical system began operating. In that year, despite the fact that far fewer trollers were licensed to operate than throughout most of the 1917-1934 period, catches of over 140,000 chinooks and over 400,000 coho were recorded. On the basis of the foregoig, it is concluded that the pre-1935 data are incomplete, including only a portion of the total troll catch. Supporting this conclusion, Rounsefell and Kelez (1938) estimated annual troll catches exceeding half a million chinook and coho for the Swiftsure Bank-Puget Sound area during 1926-1934. Their estimates are included for the appropriate years in Tables 162 and 164. For years prior to 1926, it can only be concluded that estimates of catches and interceptions are much too low.

7.4 Summary

To develop estimates of net production of salmon from the Northwest States of the United States, Tables 165 through 169 summarize the information on commercial catches of salmon and on interceptions in Washington State of salmon bound for Canada and on interceptions of Washington-bound salmon by Canadian fishermen.

NORTHERN TRANSBOUNDARY STOCKS

8.0 FISHERIES ON CANADIAN TRANSBOUNDARY RIVER STOCKS

As outlined in Sections 5 and 7, there are a number of stocks of salmon which spawn in Canadian sections of rivers that drain to the sea through the United States. On the approaches to such rivers and in their downstream portions, United States fishermen intercept substantial numbers of salmon bound for upriver Canadian waters. Section 5 provided estimates of the quantitites of such salmon intercepted in Alaska (mainly salmon bound for the Yukon, Stikine, Taku and Alsek Rivers) and Section 7 provided estimates of interceptions by United States fishermen of salmon bound for Canadian tributaries to the Columbia River flowing to the sea between Washington and Oregon States.

Canadian "transboundary" fish are also fished by Canadians in upstream areas. The total "production" (as defined in this report) of the rivers is therefore measured as the sum of catches by both United States and Canadian fishermen. In Alaskan transboundary rivers, Canadian commercial fisheries operate in Canadian portions of the Yukon, Taku and Stikine systems. Records of such catches are listed in Tables 170 and 171. Tables 172-177 combine data for these Canadian fisheries with data on United States interceptions provided in Section 5. As outlined in Section 3, Yukon River chinook chum are also intercepted by Japanese fisheries operating in the North Pacific Ocean and Bering Sea westward from 175°W. Table 177 incorporates data on these interceptions. The final Columns of Tables 172-177 provide estimates of aggregate production from the transboundary systems.

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TABLES

Table 1. Catches of salmon in waters adjacent to the Republic of Korea, in metric tonnnes, 1962-1980.

Year	Catch
1962-1971 Average	89
1972	382
1973	368
1974	206
1975	131
1976	53
1977	80
1978	59
1979	65
1980	128

Source: INPFC Stat. Yearbook for 1980, Table 29.

Table 2. Landings of chum salmon caught from the rivers and coastal areas of Hokkaido, Japan, in thousands of fish, 1868-1963.

	I	II	III	IV	V	VI
	River	Coastal				
Year	Total Catch	Total Catch (Taguchi)	Total Catch (Sano)	Sept-Jan Catch (Taguchi)	Feb-Aug Catch (Taguchi)	Percent IV/V
1868	1,135					
1869	930					
1870	1,030					
1871	1,455					
1872	1,030					
1873	900					
1874	123					
1875	910					
1876	865					
1877	725					
1878	955					
1879	1,345					
1880	1,160					
1881	865					
1882	1,480					
1883	1,000					
1884	582					
1885	503					
1886	798					
1887	645	7,379				
1888	727	7,013				
1889	573	10,389				
1890	481	5,687				
1891	472	5,018				
1892	580	6,479				
1893	296	7,086				
1894	203	3,543				
1895	236	3,581				
1896	288	3,162				
1897	314	4,525				
1898	509	3,866				
1899	300	2,351				
1900	397	2,823	2,823			
1901	264	2,077	2,078			
1902	275	1,748	1,748			
1903	405	2,477	2,477			
1904	186	1,816	1,817			
1905	409	2,205	2,296			
1906	202	2,327	2,328			
1907	256	2,252	2,252			
1908	888	1,583	1,583			
1909	182	1,028	1,029			
1910	308	1,889	1,889			
1911	593	2,826	2,826			
1912	773	1,882	1,882			
1913	291	1,736	1,736			
1914	492	2,551	2,551			
1915	398	2,616	2,616			
1916	179	1,528	1,529			
1917	348	2,266	2,266			
1918	339	2,637	2,638			
1919	435	4,205	4,206			

Continued ...

Table 2. Continued.

	I	II	III	IV	V	VI
	River	Coastal				
Year	Total Catch	Total Catch (Taguchi)	Total Catch (Sano)	Sept-Jan Catch (Taguchi)	Feb-Aug Catch (Taguchi)	Percent IV/II
1920	401	2,562	2,562			
1921	266	2,447	2,448			
1922	473	2,406	2,406			
1923	758	4,243	4,243			
1924	285	1,939	1,940			
1925	483	2,943	2,943			
1926	606	4,033	4,034			
1927	320	3,003	3,003			
1928	264	1,557	1,557			
1929	301	2,982	2,982			
1930	416	3,087	3,088			
1931	428	2,503	2,503			
1932	277	1,405	1,406			
1933	378	1,704	1,705			
1934	859	3,651	3,652			
1935	530	4,429	4,405			
1936	495	2,681	2,642			
1937	573	2,757	2,219			
1938	617	4,779	3,819			
1939	807	3,940	3,919			
1940	661	2,949	2,910			
1941	667	2,262	2,243			
1942	737	1,911	1,871	1,359	552	71.11
1943	733	1,459	1,434	1,190	269	81.56
1944	633	1,149	1,302	1,213	-64	105.57
1945	634	2,144	1,926	1,850	294	86.29
1946	454	1,636	1,428	1,327	309	81.11
1947	361	2,052	2,338	2,004	48	97.66
1948	408	2,576	2,661	2,561	15	99.42
1949	482	3,341	3,653	2,912	429	87.16
1950	489	5,258	5,437	4,168	1,090	79.27
1951	294	5,972	5,943	2,805	3,167	46.97
1952	312	2,543		1,874	669	73.69
1953	212	3,431		2,044	1,387	59.57
1954	385	5,909		3,355	2,554	56.78
1955	294	5,935		2,196	3,739	37.00
1956	182	3,866		1,496	2,370	38.70
1957	448	5,493		2,334	3,159	42.49
1958	489	9,573		2,735	6,838	28.57
1959	353			1,851		
1960	305			1,815		
1961	427			3,083		
1962	370			3,119		
1963	360			3,953		

Sources Columns I,II and IV: Taguchi (1967), Table 51. Column III: Sano (1956). Column V: Column II minus Column IV (see text). Column VI: Column IV as a percentage of Column II.

Table 3. Landings of chum salmon by Japanese land-based fisheries around Hokkaido and in the North Kurile Islands, 1905-1947.

	I	II	III	IV	V	VI	VII	VIII
		Kurile Landings			Estimated Hokkaido Landings			
Year	Hokkaido Landings Tonnes	1000 fish	@ 1.81 kg/fish Tonnes	@ 3.20 kg/fish Tonnes	I-III Tonnes	I-IV Tonnes	Taguchi 1000 fish	Taguchi Tonnes
1905	1,350						2,205	7,056
1906	1,216						2,327	7,446
1907	1,097						2,252	7,206
1908	591						1,583	5,066
1909	913						1,028	3,290
1910	6,674						1,889	6,045
1911	9,395						2,826	9,043
1912	7,784						1,882	6,022
1913	6,200						1,736	5,555
1914	7,834						2,551	8,163
1915	8,555						2,616	8,371
1916	4,833						1,528	4,890
1917	6,823						2,266	7,251
1918	8,673						2,637	8,438
1919	12,060						4,205	13,456
1920	8,433						2,562	8,198
1921	8,371						2,447	7,830
1922	8,398						2,406	7,699
1923	15,953						4,243	13,578
1924	7,338						1,939	6,205
1925	11,445						2,943	9,418
1926	12,714						4,033	12,906
1927	10,572						3,003	9,610
1928	5,730						1,557	4,982
1929	9,714						2,982	9,542
1930	13,751						3,087	9,878
1931	13,[illegible]						2,503	8,010
1932	8,102	1,662	3,009	5,319	5,093	2,783	1,405	4,496
1933	16,575	3,827	6,927	12,246	9,648	4,329	1,704	5,453
1934	23,028	5,432	9,832	17,383	13,196	5,645	3,651	11,683
1935	25,843	15,486	28,029	49,554	(2,186)	(23,711)	4,429	14,173
1936	63,291	13,986	25,315	44,756	37,976	18,535	2,681	8,579
1937	62,027	15,844	28,677	50,700	33,350	11,327	2,757	8,822
1938	70,767	12,010	21,739	38,434	49,028	32,333	4,779	15,293
1939	48,072	10,426	18,871	33,364	29,201	14,708	3,940	12,608
1940	45,475	8,685	15,719	27,790	29,756	17,685	2,949	9,437
1941	83,590	11,397	20,628	36,469	62,962	47,121	2,262	7,238
1942	51,430	4,122	7,460	13,190	43,970	38,240	1,911	6,115
1943	28,767	1,984	3,590	6,348	25,177	22,419	1,459	4,669
1944	13,218	244	441	779	12,777	12,439	1,149	3,677
1945	7,648						2,144	6,861
1946	3,917						1,636	5,235
1947	5,730						2,052	6,566

Sources Column I: INPFC Bull. 39, Table 46. Column II: INPFC Bull 39, Table 45. Columns III and IV: Conversions of Column II at 1.81 kg/fish and 3.2 kg/fish (see text). Columns V and VI: Subtraction of Columns III and IV from Column I. Column VII: Taguchi (1967), Table 51. Column VIII: Conversion of Column VII at 3.2 kg/fish (see text).

Table 4. Estimated average weights of salmon from the USSR and Japan coasts.

	Average Weight per Fish (kg)	
Species	Coastal USSR	Coastal Japan
Sockeye	2.933	
Pink (Even-year)	1.494	1.500
Pink (Odd-year)	1.472	1.500
Chum	3.615	3.200
Coho	3.349	
Chinook	9.833	

Sources USSR coast: INPFC Bull. 39 (1979) - footnote 2 to Table 3 (sockeye); footnote 2 to Table 4 (pink); footnote 2 to Table 5 (chum); footnote 2 to Table 6 (coho); footnote 2 to table 7 (chinook). Japan coast: Kasahara (1963) - footnote 6 to Table 44 (pink); footnote 7 to table 45 (chum).

Table 5. Numbers and weights of salmon caught in the Japanese mothership fishery in the Sea of Okhotsk in 1957 and 1958.

	SOCKEYE			PINK			CHUM		
Year	Fish 1000's	Weight (Tonnes)	Average Weight (kg)	Fish 1000's	Weight (Tonnes)	Average Weight (kg)	Fish 1000's	Weight (Tonnes)	Average Weight (kg)
1957	274	556	2.03	6,835	7,514	1.10	2,662	4,730	1.78
1958	55	123	2.26	2,347	3,234	1.38	1,622	3,003	1.85
Total	329	679	2.07	9,182	10,748	1.17	4,284	7,733	1.81

	COHO			CHINOOK		
Year	Fish 1000's	Weight (Tonnes)	Average Weight (kg)	Fish 1000's	Weight (Tonnes)	Average Weight (kg)
1957	102	197	1.93	N/A	1.8	N/A
1958	51	137	2.66	0.8	2.3	3.02
Total	153	333	2.18			3.02

Sources Catches in numbers and weights, INPFC Stat. Yearbooks for 1957 and 1958.

Table 6. Partitioning of Hokkaido coastal catches of chum salmon according to country of origin, 1887-1951.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI
				Estimated Japan-bound						Estimated USSR-bound	
	Hokkaido Coastal Catch		% Japanese Origin	Coastal		Freshwater		Total			
Year	1000 fish	Tonnes		1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1887	7,379	23,098	95	7,010	22,432	645	2,064	7,655	24,496	369	666
1888	7,013	21,953	95	6,662	21,320	727	2,326	7,389	23,646	351	633
1889	10,389	32,520	95	9,870	31,583	573	1,834	10,443	33,416	519	938
1890	5,687	17,802	95	5,403	17,288	481	1,539	5,884	18,828	284	513
1891	5,018	15,708	95	4,767	15,255	472	1,510	5,239	16,765	251	453
1892	6,479	20,281	95	6,155	19,696	580	1,856	6,735	21,552	324	585
1893	7,086	22,181	95	6,732	21,541	296	947	7,028	22,489	354	640
1894	3,543	11,091	95	3,366	10,771	203	650	3,569	11,420	177	320
1895	3,581	11,209	95	3,402	10,886	236	755	3,638	11,641	179	323
1896	3,162	9,898	95	3,004	9,612	288	922	3,292	10,534	158	285
1897	4,525	14,164	95	4,299	13,756	314	1,005	4,613	14,761	226	408
1898	3,866	12,102	95	3,673	11,753	509	1,629	4,182	13,381	193	349
1899	2,351	7,359	95	2,233	7,147	300	960	2,533	8,107	118	212
1900	2,823	8,837	95	2,682	8,582	397	1,270	3,079	9,852	141	255
1901	2,077	6,502	95	1,973	6,314	764	845	2,237	7,159	104	187
1902	1,748	5,472	95	1,661	5,314	275	880	1,936	6,194	87	158
1903	2,477	7,754	95	2,353	7,530	405	1,296	2,758	8,826	124	224
1904	1,816	5,685	95	1,725	5,521	186	595	1,911	6,116	91	164
1905	2,205	6,902	95	2,095	6,703	409	1,309	2,504	8,012	110	199
1906	2,327	7,284	95	2,211	7,074	202	646	2,413	7,720	116	210
1907	2,252	7,049	95	2,139	6,846	256	819	2,395	7,665	113	203
1908	1,583	4,955	95	1,504	4,812	888	2,842	2,392	7,654	79	143
1909	1,028	3,218	95	977	3,125	182	582	1,159	3,708	51	93
1910	1,889	5,913	95	1,795	5,743	308	986	2,103	6,728	94	171
1911	2,826	8,846	95	2,685	8,591	593	1,898	3,278	10,489	141	255
1912	1,882	5,891	95	1,788	5,721	773	2,474	2,561	8,195	94	170
1913	1,736	5,434	95	1,649	5,277	291	931	1,940	6,209	87	157
1914	2,551	7,985	95	2,423	7,755	492	1,574	2,915	9,329	128	230
1915	2,616	8,189	95	2,485	7,953	398	1,274	2,883	9,226	131	236
1916	1,528	4,783	95	1,452	4,645	179	573	1,631	5,218	76	138
1917	2,266	7,093	95	2,153	6,889	348	1,114	2,501	8,002	113	205
1918	2,637	8,254	95	2,505	8,016	339	1,085	2,844	9,101	132	238
1919	4,205	13,163	95	3,995	12,783	435	1,392	4,430	14,175	210	380
1920	2,562	8,020	95	2,434	7,788	401	1,283	2,835	9,072	128	231
1921	2,447	7,660	95	2,325	7,439	266	851	2,591	8,290	122	221
1922	2,406	7,531	95	2,286	7,314	473	1,514	2,759	8,828	120	217
1923	4,243	13,282	95	4,031	12,899	758	2,426	4,789	15,324	212	383
1924	1,939	6,070	95	1,842	5,895	285	912	2,127	6,807	97	175
1925	2,943	9,212	95	2,796	8,947	483	1,546	3,279	10,492	147	266
1926	4,033	12,624	95	3,831	12,260	606	1,939	4,437	14,200	202	364
1927	3,003	9,400	95	2,853	9,129	320	1,024	3,173	10,153	150	271
1928	1,557	4,874	95	1,479	4,733	264	845	1,743	5,578	78	141
1929	2,982	9,334	95	2,833	9,065	301	963	3,134	10,028	149	269
1930	3,087	9,663	95	2,933	9,384	416	1,331	3,349	10,716	154	279
1931	2,503	7,835	95	2,378	7,609	428	1,370	2,806	8,979	125	226
1932	1,405	4,339	92	1,293	4,136	277	886	1,570	5,023	112	203
1933	1,704	5,191	89	1,517	4,853	378	1,210	1,895	6,063	187	338
1934	3,651	10,970	86	3,140	10,048	859	2,749	3,999	12,796	511	923
1935	4,429	13,123	83	3,676	11,763	530	1,696	4,206	13,459	753	1,359
1936	2,681	7,831	80	2,145	6,863	495	1,584	2,640	8,447	536	968
1937	2,757	7,938	77	2,123	6,793	573	1,834	2,696	8,627	634	1,145
1938	4,779	13,560	74	3,536	11,317	617	1,974	4,153	13,291	1,243	2,243
1939	3,940	11,014	71	2,797	8,952	807	2,582	3,604	11,534	1,143	2,063
1940	2,949	8,121	68	2,005	6,417	661	2,115	2,666	8,532	944	1,704
1941	2,262	6,134	65	1,470	4,705	667	2,134	2,137	6,839	792	1,429
1942	1,911	5,345		1,359	4,349	737	2,358	2,096	6,707	552	996
1943	1,459	4,294		1,190	3,808	733	2,346	1,923	6,154	269	486
1944	1,149	3,766		1,213	3,882	633	2,026	1,846	5,907	(64)	(116)
1945	2,144	6,451		1,850	5,920	634	2,029	2,484	7,949	294	531
1946	1,636	4,804		1,327	4,246	454	1,453	1,781	5,699	309	558
1947	2,052	6,499		2,004	6,413	361	1,155	2,365	7,568	48	87
1948	2,576	8,222		2,561	8,195	408	1,306	2,969	9,501	15	27
1949	3,341	10,093		2,912	9,318	482	1,542	3,394	10,861	429	774
1950	5,258	15,305		4,168	13,338	489	1,565	4,657	14,902	1,090	1,968
1951	5,972	14,693		2,805	8,976	294	941	3,099	9,917	3,167	5,717

Sources Column I: Column II of Table 2. Column II: Column V plus Column XI. Column III: See Text. Column IV: 1887-1941, application of percentage in Column III to Column I; 1942-1951, Column IV of Table 2. Columns V, VII and IX: Columns IV, VI and VIII converted at 3.2 kg/fish (See text). Column VI: Column I of Table 3.1.A. Column VIII: Sum of Columns IV and VI. Column X: Column IV subtracted from Column I. Column XI: Column X converted at 1.81 kg/fish (See text).

Table 7. Weights and estimated numbers of pink and masu (combined), and chum salmon caught in the waters of Honshu, 1894-1951.

	I	II	III	IV
	Pink & Masu		Chum	
Year	kan	1000 fish	kan	1000 fish
1894	138,703	347	1,132,526	1,327
1895	72,480	181	567,195	665
1896	140,838	352	617,036	723
1897	96,803	242	718,134	842
1898	88,913	222	525,326	616
1899	80,821	202	965,620	1,132
1900	95,093	238	664,929	779
1901	113,062	283	1,291,392	1,513
1902	110,763	277	686,697	805
1903	134,732	337	649,580	761
1904	114,794	287	426,085	499
1905	199,063	498	551,020	646
1906	196,284	491	855,805	1,003
1907	446,665	1,117	821,891	963
1908	602,869	1,507	679,972	797
1909	584,484	1,461	524,865	615
1910	593,295	1,483	883,027	1,035
1911	559,481	1,399	1,475,244	1,729
1912	504,406	1,261	1,096,727	1,285
1913	446,960	1,117	608,384	713
1914	478,886	1,197	529,269	620
1915	4,154,708	10,387	1,979,316	2,320
1916	1,568,788	3,922	658,850	772
1917	2,198,281	5,496	723,272	848
1918	1,552,552	3,881	777,637	911
1919	1,029,696	2,574	769,412	902
1920	899,618	2,249	764,765	896
1921	2,112,562	5,281	630,372	739
1922	525,582	1,314	579,296	679
1923	504,753	1,262	638,920	749
1924	495,766	1,239	375,744	440
1925	465,072	1,163	606,576	711
1926	582,835	1,457	582,964	683
1927	482,786	1,207	510,890	599
1928	483,940	1,210	485,082	568
1929	531,503	1,329	686,954	805
1930	483,552	1,209	791,405	927
1931	465,568	1,164	952,675	1,116
1932	440,725	1,102	651,281	763
1933	357,978	895	504,069	591
1934	628,205	1,571	888,034	1,041
1935	1,155,827	2,890	1,027,757	1,204
1936	743,492	1,859	825,614	968
1937	447,245	1,118	684,228	802
1938	367,303	918	539,653	632
1939	460,098	1,150	570,689	669
1940	415,622	1,039	445,223	522
1941	592,335	1,481	544,682	638
1942	633,564	1,584	469,318	550
1943	286,778	717	604,534	708
1944	336,879	842	217,099	254
1945	232,853	582	380,449	446
1946	190,127	475	644,519	755
1947	211,065	528	316,330	371
1948	82,994	207	260,636	305
1949	24,100	60	103,900	122
1950	71,600	179	173,500	203
1951	10,200	26	114,500	134

Sources Columns I and III: Taguchi (1967), Table 47. Column II: Column I converted at 1.5 kg/fish, and 3.75 kg/kan. Column IV: Column III converted at 3.2 kg/fish, and 3.75 kg/kan.

Table 8. Catches of chum salmon in Japanese rivers and inshore fishing areas, 1952-1983.

	I	II	III	IV	V	VI	VII	VIII	IX	X
	Fredin/INPFC				Taguchi			Hokkaido "Hatchery Return"	Total	
	Freshwater		Coastal		Hokkaido Coast	Honshu Coast	Total			
Year	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	1000 fish	1000 fish	1000 fish	1000 fish	Tonnes
1952	550	1,760	2,064	6,436	1,874	15	1,889		2,614	8,196
1953	310	992	2,224	6,934	2,044	137	2,181		2,534	7,926
1954	687	2,198	3,128	9,754	3,355	407	3,762		3,815	11,952
1955	486	1,556	2,225	6,938	2,196	227	2,423		2,711	8,494
1956	306	979	1,716	5,352	1,496		1,496	1,887	2,022	6,331
1957	618	1,976	2,979	9,290	2,334		2,334	2,618	3,597	11,266
1958	658	2,107	3,165	9,868	2,735		2,735	2,961	3,823	11,975
1959	542	1,735	1,792	5,586	1,851		1,851	1,782	2,334	7,321
1960	458	1,465	1,815	5,660	1,815		1,815	1,720	2,273	7,125
1961	599	1,917	3,251	10,137	3,083		3,083	2,942	3,850	12,054
1962	698	2,234	3,483	11,967	3,119		3,119	2,761	4,181	14,201
1963	554	1,773	4,348	13,136	3,953		3,953	3,740	4,902	14,909
1964	760	2,432	4,500	13,503				3,782	5,260	15,935
1965	1,038	3,321	5,588	16,718				4,730	6,625	20,039
1966	631	2,018	4,921	14,779				3,897	5,552	16,797
1967	874	2,797	5,519	16,556				4,467	6,393	19,353
1968	388	1,243	2,994	8,935				2,096	3,383	10,178
1969	573	1,833	5,102	15,075				4,145	5,674	16,908
1970	547	1,750	6,607	19,821				5,230	7,154	21,571
1971	743	2,379	9,387	28,283				7,602	10,130	30,662
1972	580	1,855	8,041	24,171				6,866	8,621	26,026
1973	801	2,564	10,674	32,099				8,179	11,475	34,663
1974	832	2,662	12,186	40,068				9,478	13,018	42,730
1975	2,063	6,603	17,943	59,211				15,575	20,006	65,814
1976	1,137	3,637	11,281	36,815				8,656	12,418	40,452
1977	1,100	3,521	14,137	46,828				9,906	15,237	50,349
1978	1,241	3,970	16,974	55,849				12,894	18,215	59,819
1979	1,917	6,135	26,066	84,521				18,421	27,983	90,656
1980	2,877	9,207	22,904	75,342				15,132	25,781	84,549
1981	2,638	8,440	30,966	101,844				21,494	33,604	110,284
1982	2,846	9,106	27,177	89,545				19,759	30,023	98,651
1983								22,404		

Sources Column I: Column II converted at 3.2 kg/fish. Column II: 1952-1976, INPFC Bull. 39, Table 56; 1977-1980, INPFC Stat. Yearbooks for 1977 to 1980; 1981-1982, Fish. Agency Jap., unpub. data. Column III: 1952-1970: Column IV converted using factors from INPFC Bull. 39, Table 92; 1971-1980, INPFC Stat. Yearbooks for 1971 to 1980; 1981-1982, Fish. Agency Jap., unpub. data. Column IV: 1952-1957, Fredin et al (1977), Appendix Table 1.10; 1958-1976 INPFC Bull. 39, Table 55; 1977-1980, INPFC Stat. Yearbooks for 1977 to 1980; 1980-1982, Fish. Agency Jap., unpub. data. Column V: Column IV of Table 2. Column VI: Taguchi (1967), Table 47 converted at 3.2 kg/fish. Column VII: Sum of Columns V and VI. Column VIII: Fish. Agency Jap., unpub. data. Column IX: Sum of Columns I and III. Column XI: Sum of Columns II and IV.

Table 9. Landings of pink and masu salmon in Hokkaido, 1891-1954.

	I	II	III	IV	V	VI
	Coastal		Freshwater			
Year	kan	numbers	Pink numbers	Masu numbers	Combined numbers	Combined tonnes
1891					623	0.9
1892					1,138	1.7
1893					4,667	7.0
1894					793	1.2
1895					3,521	5.3
1896					448	0.7
1897					8,600	12.9
1898					1,238	1.9
1899					14,119	21.2
1900					5,190	7.8
1901					4,216	6.3
1902					3,785	5.7
1903					7,559	11.3
1904					3,722	5.6
1905	67,528	168,820			4,234	6.4
1906	128,350	320,875			6,264	9.4
1907	93,336	233,340			11,151	16.7
1908	66,430	166,075			3,344	5.0
1909	280,098	700,245			4,415	6.6
1910	2,703,787	6,759,468			3,112	4.7
1911	5,288,481	13,221,203			12,333	18.5
1912	4,780,250	11,950,625			4,723	7.1
1913	8,566,642	21,416,605			3,999	6.0
1914	1,873,147	4,682,868			3,879	5.8
1915	3,630,437	9,076,093			3,607	5.4
1916	1,488,388	3,720,970			4,230	6.3
1917	3,756,871	9,392,178			1,669	2.5
1918	1,579,387	3,948,468			1,041	1.6
1919	3,794,343	9,485,858			1,110	1.7
1920	1,817,774	4,544,435			2,662	4.0
1921	2,095,314	5,238,285			21,273	31.9
1922	1,622,469	4,056,173			14,458	21.7
1923	2,851,608	7,129,020			13,684	20.5
1924	2,335,205	5,838,013			26,296	39.4
1925	2,902,984	7,257,460			12,362	18.5
1926	4,015,453	10,038,633			55,450	83.2
1927	2,942,830	7,357,075			28,158	42.2
1928	2,825,655	7,064,138			63,056	94.6
1929	9,244,498	23,111,245			58,522	87.8
1930	4,282,233	10,705,583			36,602	54.9
1931	10,512,337	26,280,843			127,843	191.8
1932	3,012,297	7,530,743			36,954	55.4
1933	5,192,028	12,980,070			108,067	162.1
1934	9,017,867	22,544,668			178,807	268.2
1935	10,673,183	26,682,958			104,313	156.5
1936	14,882,585	37,206,463	69,334	10,250	79,584	119.4
1937	26,261,111	65,652,778	36,526	6,563	43,089	64.6
1938	20,040,750	50,101,875	15,417	23,335	38,752	58.1
1939	27,292,695	68,231,738	18,327	13,751	32,078	48.1
1940	5,935,316	14,838,290	31,832	23,113	54,945	82.4
1941	40,028,805	100,072,013	19,551	14,824	34,375	51.6
1942	14,555,579	36,388,948	21,691	21,190	42,881	64.3
1943	20,280,227	50,700,568	47,459	23,117	70,576	105.9
1944	3,128,969	7,822,423	8,480	32,750	41,230	61.8
1945	339,858	849,645	62,202	35,071	97,273	145.9
1946	266,320	665,800	8,010	24,556	32,566	48.8
1947	1,033,242	2,583,105	44,990	65,650	110,640	166.0
1948	445,703	1,114,258	12,063	31,751	43,814	65.7
1949	275,600	689,000	49,836	23,890	73,726	110.6
1950	251,100	627,750	70,531	33,098	103,629	155.4
1951	86,600	216,500	181,364	41,185	222,549	333.8
1952	627,600	1,569,000	77,835	31,190	109,025	163.5
1953	4,466,000	11,165,000	88,162	7,167	95,329	143.0
1954	4,573,000	11,432,500	16,619	8,963	25,582	38.4

Sources: Column I: Taguchi (1967), Table 47. Column II: Column I converted at 1.5 kg/fish and 3.75 kg/kan. Columns III and IV: Taguchi (1967), Table 52. Column V: 1891-1935, Taguchi (1967), Table 52; 1936-1954, Sum of Columns III and IV. Column VI: Column V converted at 1.5 kg/fish.

Table 10. Estimation of contributions of Japanese pink and masu salmon (combined) to Japanese coastal and river fisheries, 1891-1951.

	I	II	III	IV	V	VI	VII	VIII	IX
	Honshu Pink and Masu	Hokkaido Chum				Hokkaido Pink and Masu		Total Coastal Pink and Masu	
Year	Coastal 1000 fish	River 1000 fish	Coastal 1000 fish	Proportion II/III	Moving Mean	River 1000 fish	Coastal 1000 fish	1000 fish	Tonnes
1891		472	4,767	0.10	0.07	1	9	9	13
1892		580	6,155	0.09	0.07	1	16	16	24
1893		296	6,732	0.04	0.07	5	64	64	95
1894	347	203	3,366	0.06	0.07	1	11	358	536
1895	181	236	3,402	0.07	0.07	4	51	233	349
1896	352	288	3,004	0.10	0.09	0.4	5	357	536
1897	242	314	4,299	0.07	0.10	9	84	326	489
1898	222	509	3,673	0.14	0.12	1	11	233	349
1899	202	300	2,233	0.13	0.12	14	113	315	473
1900	238	397	2,777	0.14	0.14	5	36	274	411
1901	283	264	1,973	0.13	0.15	4	28	311	466
1902	277	275	1,661	0.17	0.16	4	24	301	452
1903	337	405	2,353	0.17	0.17	8	45	382	573
1904	287	286	1,725	0.17	0.16	4	24	311	466
1905	498	409	2,095	0.20	0.15	4	28	526	789
1906	491	202	2,211	0.09	0.23	6	27	518	776
1907	1,117	256	2,139	0.12	0.24	11	47	1,164	1,746
1908	1,507	888	1,504	0.59	0.23	3	14	1,522	2,282
1909	1,461	182	977	0.19	0.26	4	17	1,478	2,218
1910	1,483	308	1,795	0.17	0.32	3	10	1,493	2,239
1911	1,399	593	2,685	0.22	0.24	12	52	1,451	2,176
1912	1,261	773	1,788	0.43	0.24	5	20	1,281	1,921
1913	1,117	291	1,649	0.18	0.24	4	17	1,134	1,701
1914	1,197	492	2,423	0.20	0.22	4	18	1,215	1,822
1915	10,387	398	2,485	0.16	0.16	4	22	10,409	15,613
1916	3,922	179	1,452	0.12	0.16	4	27	3,949	5,923
1917	5,496	348	2,153	0.16	0.14	2	12	5,508	8,262
1918	3,881	339	2,505	0.14	0.14	1	8	3,889	5,833
1919	2,574	435	3,995	0.11	0.14	1	8	2,582	3,874
1920	2,249	401	2,434	0.16	0.15	3	18	2,267	3,401
1921	5,281	266	2,325	0.11	0.16	21	136	5,417	8,126
1922	1,314	473	2,286	0.21	0.17	14	87	1,401	2,102
1923	1,262	758	4,031	0.19	0.17	14	82	1,344	2,015
1924	1,239	285	1,842	0.15	0.18	26	149	1,389	2,083
1925	1,163	483	2,796	0.17	0.16	12	79	1,241	1,862
1926	1,457	606	3,831	0.16	0.16	55	357	1,814	2,721
1927	1,207	320	2,853	0.11	0.15	28	193	1,401	2,101
1928	1,210	264	1,479	0.18	0.14	63	452	1,662	2,493
1929	1,329	301	2,833	0.11	0.14	59	407	1,736	2,604
1930	1,209	416	2,933	0.14	0.16	37	223	1,432	2,148
1931	1,164	428	2,378	0.18	0.18	128	717	1,881	2,821
1932	1,102	277	1,293	0.21	0.21	37	174	1,276	1,914
1933	895	378	1,517	0.25	0.21	108	509	1,404	2,106
1934	1,571	859	3,140	0.27	0.22	179	804	2,374	3,562
1935	2,890	530	3,676	0.14	0.23	104	447	3,336	5,004
1936	1,859	495	2,145	0.23	0.22	80	364	2,223	3,334
1937	1,118	573	2,123	0.27	0.22	43	194	1,313	1,969
1938	918	617	3,536	0.17	0.26	39	150	1,068	1,602
1939	1,150	807	2,797	0.29	0.30	32	106	1,256	1,884
1940	1,039	661	2,005	0.33	0.36	55	154	1,193	1,789
1941	1,481	667	1,470	0.45	0.45	34	77	1,558	2,337
1942	1,584	737	1,359	0.54	0.49	43	87	1,671	2,506
1943	717	733	1,190	0.62	0.50	71	142	859	1,289
1944	842	633	1,213	0.52	0.47	41	87	929	1,394
1945	582	634	1,850	0.34	0.40	97	243	825	1,237
1946	475	454	1,327	0.34	0.31	33	105	581	871
1947	528	361	2,004	0.18	0.24	111	465	993	1,489
1948	207	408	2,561	0.16	0.19	44	227	435	652
1949	60	482	2,912	0.17	0.15	74	507	567	851
1950	179	489	4,168	0.12	0.15	104	691	870	1,305
1951	26	294	2,805	0.10	0.15	223	1,484	1,509	2,264

Sources Column I: Column II of Table 7. Columns II and III: Columns VI and IV of Table 6. Column IV: Column II divided by Column III. Column V: 5-year moving means of Column IV (Note: means for 1891 and 1892 assumed to be the same as for 1893, and means for 1950 and 1951 assumed to be the same as for 1949). Column VI: Column V of Table 9. Column VII: Column VI divided by Column V. Column VIII: Sum of Columns I and VII. Column IX: Column VIII converted at 1.5 kg/fish.

Table 11. Estimation of contribution of Japanese pink and masu salmon (combined) to Japanese river and coastal fisheries, 1952-1983.

	I	II	III	IV	V	VI	VII
	Chum				Pink and Masu		
						Estimated Coastal Catch	
Year	River Catch 1000 fish	Coastal Catch 1000 fish	Proportion I/II	5 Year Moving Mean	River Catch 1000 fish	1000 fish	tonnes
1952	550	2,064	0.27	0.20	233	1,163	1,745
1953	310	2,224	0.14	0.20	210	1,050	1,575
1954	687	3,128	0.22	0.20	160	783	1,174
1955	486	2,225	0.22	0.19	417	2,167	3,250
1956	306	1,716	0.18	0.21	215	1,044	1,565
1957	618	2,979	0.21	0.22	337	1,513	2,270
1958	658	3,165	0.21	0.23	174	758	1,136
1959	542	1,792	0.30	0.23	173	751	1,126
1960	458	1,815	0.25	0.23	137	598	898
1961	599	3,251	0.18	0.21	141	662	993
1962	698	3,483	0.20	0.19	160	857	1,286
1963	554	4,348	0.13	0.17	118	681	1,021
1964	760	4,500	0.17	0.16	146	901	1,351
1965	1,038	5,588	0.19	0.15	151	984	1,477
1966	631	4,921	0.13	0.15	132	856	1,284
1967	874	5,519	0.16	0.14	156	1,092	1,638
1968	388	2,994	0.13	0.12	134	1,096	1,644
1969	573	5,102	0.11	0.11	116	1,031	1,547
1970	547	6,607	0.08	0.10	113	1,190	1,785
1971	743	9,387	0.08	0.08	143	1,701	2,551
1972	580	8,041	0.07	0.08	104	1,378	2,067
1973	801	10,674	0.08	0.08	296	3,613	5,420
1974	832	12,106	0.07	0.09	191	2,211	3,317
1975	2,063	17,943	0.11	0.09	237	2,716	4,074
1976	1,137	11,281	0.10	0.09	172	1,977	2,966
1977	1,100	14,137	0.08	0.09	76	863	1,295
1978	1,241	16,974	0.07	0.09	52	577	865
1979	1,917	26,066	0.07	0.09	203	2,336	3,504
1980	2,877	22,904	0.13	0.09	64	692	1,039
1981	2,638	30,966	0.09	0.09	240	2,667	4,000
1982	2,846	27,177	0.10	0.09	159	1,770	2,656
1983							

Sources Column I and II: Columns II and IV of Table 8. Column III: Column I divided by Column II. Column IV: 5-year moving means of Column III (Note: Means for 1951 and 1952 assumed to be the same as for 1953, and means for 1980 and 1981 assumed to be the same as for 1979). Column V: 1952-1976, INPFC Bull. 39, Table 56, converted at 1.5 kg/fish: 1977-1980, INPFC Stat. Yearbooks for 1977-1980; 1981 and 1982, Fish. Agency Jap., unpub. data. Column VI: Column V divided by Column IV (Note: proportions in Column V rounded for presentation in table; products listed in Column VI calculated using unrounded proportions). Column VII: Column VI converted at 1.5 kg/fish.

Table 12. Partitioning of the Japanese freshwater and coastal catches of pink and masu salmon according to geographic area of destination, 1891-1982.

	I	II	III	IV	V	VI	VII	VIII	IX	X
	Japan Bound								USSR Bound*	
	River		Japan Coast and Kuriles		Total		Total Coastal and Kurile Catch			
Year	1000 fish	tonnes	1000 fish	tonnes	1000 fish	tonnes	1000 fish	tonnes	1000 fish	tonnes
1891	1	1	9	13	10	14				
1892	1	2	16	24	17	26				
1893	5	7	64	95	68	102				
1894	1	1	358	536	358	538	347	520	(11)	(16)
1895	4	5	233	349	236	354	181	272	(51)	(77)
1896	0	1	357	536	358	536	352	528	(5)	(8)
1897	9	13	326	489	335	502	242	363	(84)	(126)
1898	1	2	233	349	234	351	222	333	(11)	(16)
1899	14	21	315	473	330	494	202	303	(113)	(170)
1900	5	8	274	411	279	419	238	357	(36)	(54)
1901	4	6	311	466	315	473	283	424	(28)	(42)
1902	4	6	301	452	305	457	277	415	(24)	(36)
1903	8	11	382	573	390	585	337	505	(45)	(68)
1904	4	6	311	466	314	471	287	430	(24)	(35)
1905	4	6	526	789	530	796	666	1,000	140	211
1906	6	9	518	776	524	786	812	1,217	294	441
1907	11	17	1,164	1,746	1,175	1,762	1,350	2,025	186	279
1908	3	5	1,522	2,282	1,525	2,287	1,700	2,550	178	268
1909	4	7	1,478	2,218	1,483	2,224	2,200	3,300	722	1,082
1910	3	5	1,493	2,239	1,496	2,244	8,200	12,300	6,707	10,061
1911	12	18	1,451	2,176	1,463	2,194	14,600	21,900	13,149	19,724
1912	5	7	1,281	1,921	1,285	1,928	13,200	19,800	11,919	17,879
1913	4	6	1,134	1,701	1,138	1,707	22,500	33,750	21,366	32,049
1914	4	6	1,215	1,822	1,219	1,828	5,900	8,850	4,685	7,028
1915	4	5	10,409	15,613	10,412	15,618	19,500	29,250	9,091	13,637
1916	4	6	3,949	5,923	3,953	5,930	7,600	11,400	3,651	5,477
1917	2	3	5,508	8,262	5,509	8,264	14,900	22,350	9,392	14,088
1918	1	2	3,889	5,833	3,890	5,835	7,800	11,700	3,911	5,867
1919	1	2	2,582	3,874	2,583	3,875	12,100	18,150	9,518	14,276
1920	3	4	2,267	3,401	2,270	3,405	6,800	10,200	4,533	6,799
1921	21	32	5,41[illegible]	8,126	5,439	8,158	10,500	15,750	5,083	7,624
1922	14	22	1,401	2,102	1,416	2,123	5,400	8,100	3,999	5,998
1923	14	21	1,344	2,015	1,357	2,036	8,400	12,600	7,056	10,585
1924	26	39	1,309	2,[illegible]3	1,415	2,123	7,100	10,650	5,711	8,567
1925	12	19	1,241	1,862	1,254	1,881	8,400	12,600	7,159	10,738
1926	55	83	1,814	2,721	1,870	2,805	11,500	17,250	9,686	14,529
1927	28	42	1,401	2,101	1,429	2,143	8,600	12,900	7,199	10,799
1928	63	95	1,662	2,493	1,725	2,588	8,300	12,450	6,638	9,957
1929	59	88	1,736	2,604	1,794	2,692	24,400	36,600	22,664	33,996
1930	37	55	1,432	2,148	1,468	2,203	12,100	18,084	10,668	15,936
1931	128	192	1,881	2,821	2,009	3,013	1,200	1,800	(681)	(1,021)
1932	37	55	1,276	1,914	1,313	1,970	2,500	3,321	1,224	1,407
1933	108	162	1,404	2,106	1,512	2,268	12,700	17,235	11,296	15,129

Continued ...

Table 12 Continued.

	I	II	III	IV	V	VI	VII	VIII	IX	X
	Japan Bound								USSR Bound*	
	River		Japan Coast and Kuriles		Total		Total Coastal and Kurile Catch			
Year	1000 fish	tonnes	1000 fish	tonnes	1000 fish	tonnes	1000 fish	tonnes	1000 fish	tonnes
1934	179	268	2,374	3,562	2,553	3,830	25,100	31,710	22,726	28,148
1935	104	156	3,336	5,004	3,441	5,161	43,100	53,925	39,764	48,921
1936	80	119	2,223	3,334	2,302	3,454	45,600	56,586	43,377	53,252
1937	43	65	1,313	1,969	1,356	2,034	74,600	90,417	73,287	88,448
1938	39	58	1,068	1,602	1,107	1,660	67,200	80,538	66,132	78,936
1939	32	48	1,256	1,884	1,288	1,932	123,300	146,571	122,044	144,687
1940	55	82	1,193	1,789	1,248	1,871	23,200	28,431	22,007	26,642
1941	34	52	1,558	2,337	1,592	2,388	64,100	77,769	62,542	75,432
1942	43	64	1,671	2,506	1,714	2,571	44,700	54,213	43,029	51,707
1943	71	106	859	1,289	930	1,395	62,500	73,851	61,641	72,562
1944	41	62	929	1,394	971	1,456	11,000	13,629	10,071	12,235
1945	97	146	825	1,237	922	1,383	5,400	7,209	4,575	5,972
1946	33	49	581	871	613	920	1,100	1,650	519	779
1947	111	166	993	1,489	1,103	1,655	3,000	4,500	2,007	3,011
1948	44	66	435	652	478	718	700	1,050	265	398
1949	74	111	567	851	641	961	6,100	9,150	5,533	8,299
1950	104	155	870	1,305	973	1,460	3,100	4,650	2,230	3,345
1951	223	334	1,509	2,264	1,732	2,598	5,200	7,800	3,691	5,536
1952	233	349	1,163	1,655	1,396	2,004	5,238	7,454	4,075	5,799
1953	210	315	1,050	1,494	1,260	1,809	3,181	4,526	2,131	3,032
1954	160	240	783	1,114	943	1,354	4,077	5,802	3,295	4,688
1955	417	626	2,167	3,083	2,584	3,709	6,094	8,672	3,927	5,589
1956	215	323	1,044	1,485	1,259	1,808	10,957	15,592	9,913	14,107
1957	337	506	1,513	2,153	1,850	2,659	9,571	13,619	8,058	11,466
1958	174	261	758	1,078	932	1,339	18,192	25,887	17,434	24,809
1959	173	260	751	1,068	924	1,328	12,817	18,239	12,067	17,171
1960	137	206	598	851	736	1,057	17,226	24,513	16,628	23,662
1961	141	212	662	942	804	1,154	7,233	10,293	6,571	9,351
1962	160	240	857	1,281	1,017	1,521	7,558	11,292	6,701	10,011
1963	118	177	681	967	799	1,144	9,160	13,007	8,479	12,040
1964	146	219	901	1,231	1,047	1,450	5,571	7,615	4,670	6,384
1965	151	227	984	1,390	1,136	1,617	9,455	13,350	8,470	11,960
1966	132	198	856	1,217	988	1,415	9,633	13,688	8,777	12,471
1967	156	234	1,092	1,529	1,248	1,763	14,778	20,689	13,686	19,160
1968	134	201	1,096	1,553	1,230	1,754	11,529	16,336	10,433	14,783
1969	116	174	1,031	1,425	1,147	1,599	16,711	23,095	15,680	21,670
1970	113	170	1,190	1,696	1,304	1,866	8,968	12,779	7,777	11,083
1971	143	215	1,701	2,417	1,844	2,632	12,355	17,557	10,655	15,140
1972	104	156	1,378	1,994	1,482	2,150	6,943	10,047	5,565	8,053
1973	296	444	3,613	5,268	3,909	5,712	9,853	14,365	6,239	9,097
1974	191	286	2,211	3,279	2,402	3,565	7,316	10,849	5,105	7,570
1975	237	356	2,716	3,764	2,953	4,120	10,504	14,558	7,788	10,794
1976	172	258	1,977	2,798	2,149	3,056	8,565	12,119	6,587	9,321
1977	76	114	863	1,228	939	1,342	6,995	6,650	6,132	5,422
1978	52	78	577	821	629	899	7,165	5,952	6,588	5,131
1979	203	305	2,336	3,324	2,539	3,629	6,382	5,278	4,046	1,954
1980	64	96	692	985	756	1,081	6,394	5,723	5,702	4,738
1981	240	360	2,667	3,795	2,907	4,155	6,656	6,436	3,989	2,641
1982	159	239	1,770	2,519	1,930	2,758	5,699	5,272	3,929	2,753

Sources Column I: 1891-1951, Column VI of Table 10; 1952-1983, Column V of Table 11. Column II: 1891-1951, Column I converted at 1.5 kg/fish; 1952-1976, INPFC Bull. 39 Table 56; 1977-1980, INPFC Stat. Yearbooks for 1977 to 1980; 1981 to 1982, Fish. Agency Jap., unpub data. Column III: 1891-1951, Column VIII of Table 10; 1952-1982, Column VI of Table 11. Column IV: 1891-1951, Column III converted at 1.5 kg/fish; 1952-1982 Column I converted using factors from INPFC Bull. 39, Table 92. Column V: Sum of Columns I and II. Column VI: Sum of Columns IV and V. Column VII: 1894-1951, Column V of Table 13; 1952-1976, Converted from Column VIII using factors from INPFC Bull. 39, Table 92; 1977-1980, INPFC Stat. Yearbooks for 1977 to 1980; 1981-1982, Fish. Agency Jap., unpub. data. Column VIII: 1894-1951, Column VI of Table 13; 1952-1957, Fredin et al (1977), Appendix Table 1.10 ; 1958-1976, INPFC Bull. 39, Table 55; 1977-1980, INPFC Stat. Yearbooks for 1977 to 1980; 1981-1982, Fish. Agency Jap., unpub. data. Column IX: Column III subtracted from Column VII. Column X: Column IV subtracted from Column VIII.

* Numbers in brackets are negative.

Table 13. Marine catches of pink salmon in Japanese fisheries around the Japanese Islands, the Kurile Islands and in the Kamchatka Mothership fishery, 1894-1951.

	I	II	III	IV	V	VI
	Mothership and North Kuriles		Hokkaido Honshu and Southern Kuriles		Total	
Year	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1894			347	520	347	520
1895			181	272	181	272
1896			352	528	352	528
1897			242	363	242	363
1898			222	333	222	333
1899			202	303	202	303
1900			238	357	238	357
1901			283	424	283	424
1902			277	415	277	415
1903			337	505	337	505
1904			287	430	287	430
1905			666	1,000	666	1,000
1906			812	1,217	812	1,217
1907			1,350	2,025	1,350	2,025
1908			1,700	2,550	1,700	2,550
1909			2,200	3,300	2,200	3,300
1910			8,200	12,300	8,200	12,300
1911			14,600	21,900	14,600	21,900
1912			13,200	19,800	13,200	19,800
1913			22,500	33,750	22,500	33,750
1914			5,900	8,850	5,900	8,850
1915			19,500	29,250	19,500	29,250
1916			7,600	11,400	7,600	11,400
1917			14,900	22,350	14,900	22,350
1918			7,800	11,700	7,800	11,700
1919			12,100	18,150	12,100	18,150
1920			6,800	10,200	6,800	10,200
1921			10,500	15,750	10,500	15,750
1922			5,400	8,100	5,400	8,100
1923			8,400	12,600	8,400	12,600
1924			7,100	10,650	7,100	10,650
1925			8,400	12,600	8,400	12,600
1926			11,500	17,250	11,500	17,250
1927			8,600	12,900	8,600	12,900
1928			8,300	12,450	8,300	12,450
1929	*		24,400	36,600	24,400	36,600
1930	200	234	11,900	17,850	12,100	18,084
1931	*		1,200	1,800	1,200	1,800
1932	1,300	1,521	1,200	1,800	2,500	3,321
1933	5,500	6,435	7,200	10,800	12,700	17,235
1934	18,000	21,060	7,100	10,650	25,100	31,710
1935	32,500	38,025	10,600	15,900	43,100	53,925
1936	35,800	41,886	9,800	14,700	45,600	56,586
1937	65,100	76,167	9,500	14,250	74,600	90,417
1938	61,400	71,838	5,800	8,700	67,200	80,538
1939	116,300	136,071	7,000	10,500	123,300	146,571
1940	19,300	22,581	3,900	5,850	23,200	28,431
1941	55,700	65,169	8,400	12,600	64,100	77,769
1942	38,900	45,513	5,800	8,700	44,700	54,213
1943	60,300	70,551	2,200	3,300	62,500	73,851
1944	8,700	10,179	2,300	3,450	11,000	13,629
1945	2,700	3,159	2,700	4,050	5,400	7,209
1946			1,100	1,650	1,100	1,650
1947			3,000	4,500	3,000	4,500
1948			700	1,050	700	1,050
1949			6,100	9,150	6,100	9,150
1950			3,100	4,650	3,100	4,650
1951			5,200	7,800	5,200	7,800

Sources Column I: Kasahara (1963), Table 44. Column II: Column I converted at 1.17 kg/fish. Column III: 1894-1907, Sum of Column II of Table 7 and Column II of Table 9; 1908-1951, Kasahara (1963), Table 44. Column IV: Column III converted at 1.5 kg/fish. Column V: Sum of Columns I and III. Column VI: Sum of Columns II and IV.

* Less than 50,000 fish.

Table 14. Catches of sockeye salmon by Japanese fisheries adjacent to the USSR coast.

	I	II	III	IV	V	VI	VII	VIII	IX	X
	North Kuriles		Kamchatka Mothership		USSR Coast		Sea of Okhotsk Mothership		Total	
Year	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1909					1,264	3,707			1,264	3,707
1910					1,914	5,614			1,914	5,614
1911					1,788	5,244			1,788	5,244
1912					1,298	3,807			1,298	3,807
1913					2,506	7,350			2,506	7,350
1914					859	2,519			859	2,519
1915					1,970	5,778			1,970	5,778
1916					2,944	8,635			2,944	8,635
1917					2,424	7,110			2,424	7,110
1918					4,579	13,430			4,579	13,430
1919					5,696	16,706			5,696	16,706
1920					4,176	12,248			4,176	12,248
1921					5,657	16,592			5,657	16,592
1922					10,593	31,069			10,593	31,069
1923					8,347	24,482			8,347	24,482
1924					8,205	24,065			8,205	24,065
1925					4,326	12,688			4,326	12,688
1926					6,561	19,243			6,561	19,243
1927					6,943	20,364			6,943	20,364
1928					11,996	35,184			11,996	35,184
1929			5	15	7,975	23,391			7,980	23,406
1930			307	900	7,891	23,144			8,198	24,045
1931			596	1,747	6,117	17,941			6,713	19,689
1932			1,271	3,726	6,157	18,058			7,428	21,785
1933	867	1,795	2,034	5,965	4,260	12,518			7,169	20,278
1934	2,659	5,503	4,060	14,255	8,325	24,417			15,044	44,175
1935	935	1,936	2,496	7,321	3,224	9,456			6,655	18,713
1936	3,012	6,234	3,940	11,557	5,376	15,768			12,328	33,559
1937	4,494	9,302	5,782	16,960	5,688	16,683			15,964	42,944
1938	5,409	11,197	4,268	12,519	6,969	20,440			16,646	44,156
1939	3,591	7,434	5,601	16,428	4,970	14,577			14,163	38,439
1940	2,040	4,223	3,218	9,438	3,683	10,802			8,941	24,463
1941	1,833	3,795	4,298	12,605	3,930	11,527			10,061	27,927
1942	3,025	6,262	1,329	3,898	3,641	10,679			7,995	20,839
1943	4,198	8,690			2,366	6,939			6,564	15,629
1944	1,390	2,077			1,352	3,965			2,742	6,043
1945	253	524							253	524
1955							330	683	330	683
1956							656	1,358	656	1,358
1957							274	556	274	556
1958							55	123	55	123

Sources Column I: INPFC Bull. 39, Table 45. Column II: Column I converted at 2.07 kg/fish (Table 5). Column III: INPFC Bull. 39, Table 44. Column IV: Column III converted at 2.933 kg/fish (Table 4). Column V: INPFC Bull. 39, Table 24. Column VI: Column V converted at 2.933 kg/fish (Table 4). Column VII: INPFC Stat. Yearbooks (1955-1958). Column VIII: 1955-1956, Conversion of Column VII at 2.07 kg/fish (Table 5); 1957-1958, INPFC Stat. Yearbooks for 1957 and 1958. Column IX: Sum of Columns I,III,V and VII. Column X: Sum of Columns II,IV,VI and VIII.

Table 15. Catches of pink salmon by Japanese fisheries adjacent to the USSR coast.

	I	II	III	IV	V	VI	VII	VIII
	Sakhalin		USSR Coast		Sea of Okhotsk Mothership		Total	
Year	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1906	7,623	9,864					7,623	9,864
1907	15,505	20,064					15,505	20,064
1908	6,731	8,710	6,084	9,089			12,815	17,799
1909	4,891	6,329	14,621	21,522			19,512	27,851
1910	12,679	16,407	7,452	11,134			20,131	27,541
1911	8,674	11,224	51,188	75,349			59,862	86,573
1912	20,447	26,458	19,812	29,600			40,259	56,058
1913	11,079	14,336	32,847	48,350			43,926	62,686
1914	8,033	10,395	59,772	89,299			67,805	99,694
1915	6,209	8,034	59,325	87,326			65,534	95,360
1916	10,766	13,931	76,707	114,601			87,473	128,532
1917	33,428	43,256	62,406	91,862			95,834	135,118
1918	4,917	6,363	42,744	63,860			47,661	70,223
1919	19,838	25,671	41,286	60,774			61,124	86,445
1920	4,144	5,362	65,324	97,593			69,468	102,955
1921	12,362	15,996	70,038	103,095			82,400	119,091
1922	6,743	8,725	78,281	116,952			85,024	125,677
1923	2,340	3,028	29,222	43,015			31,562	46,043
1924	13,631	17,639	92,215	137,769			105,846	155,408
1925	5,304	6,864	17,144	25,236			22,448	32,100
1926	24,111	31,199	90,915	135,826			115,026	167,025
1927	7,009	9,070	15,991	23,538			23,000	32,608
1928	27,861	36,052	74,395	111,146			102,256	147,198
1929	8,837	11,435	7,757	11,419			16,594	22,854
1930	11,961	15,477	49,872	74,509			61,833	89,986
1931	7,294	9,438	14,231	20,948			21,525	30,386
1932	4,488	5,808	52,729	78,777			57,217	84,585
1933	11,216	14,514	21,731	31,988			32,947	46,502
1934	6,400	8,282	76,214	113,864			82,614	122,146
1935	26,202	33,905	56,373	82,981			82,575	116,886
1936	3,335	4,315	32,923	49,187			36,258	53,502
1937	12,005	15,535	59,771	87,982			71,776	103,517
1938	6,511	8,425	44,185	66,013			50,696	74,438
1939	18,857	24,401	64,296	94,644			83,153	119,045
1940	3,581	4,634	30,510	45,583			34,091	50,217
1941	15,127	19,574	52,506	77,290			67,633	96,864
1942	1,242	1,607	32,736	48,908			33,978	50,515
1943	7,420	9,602	50,719	74,659			58,139	84,261
1944			17,522	26,177			17,522	26,177
1955					9,409	11,009	9,409	11,009
1956					5,367	6,279	5,367	6,279
1957					6,835	7,514	6,835	7,514
1958					2,347	3,234	2,347	3,234

Sources Column I: Column II converted at 1.294 kg/fish (INPFC Bull. 39, Table 4-I, footnote 6). Column II: INPFC Bull. 39, Table 43. Column III: INPFC Bull. 39, Table 24. Column IV: Column III converted at 1.494 kg/fish in even years and 1.472 kg/fish in odd years (Table 4). Column V: INPFC Stat. Yearbooks for 1955-1958. Column VI: 1955-1956, Column V converted at 1.17 kg/fish (Table 5); 1957-1958 INPFC Stat. Yearbooks for 1957 and 1958. Column VII: Sum of Columns I, III and V. Column VIII: Sum of Columns II, IV, and VI.

Table 16. Catches of chum salmon by Japanese fisheries adjacent to the USSR coast.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
	Sakhalin		North Kuriles		Kamchatka Mothership		USSR Coast		Sea of Okhotsk Mothership		Total	
Year	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1906	291	1,004									291	1,004
1907	232	801									232	801
1908	283	975					2,816	10,180			3,099	11,155
1909	518	1,787					4,647	16,799			5,165	18,586
1910	583	2,010					11,635	42,061			12,218	44,071
1911	659	2,273					7,938	28,696			8,597	30,969
1912	700	2,416					6,593	23,834			7,293	26,250
1913	641	2,211					11,347	41,019			11,988	43,230
1914	1,133	3,910					9,891	35,756			11,024	39,666
1915	777	2,681					4,960	17,930			5,737	20,611
1916	327	1,129					3,856	13,939			4,183	15,068
1917	403	1,389					6,676	24,134			7,079	25,523
1918	906	3,125					9,263	33,486			10,169	36,611
1919	1,144	3,946					11,912	43,062			13,056	47,008
1920	722	2,492					10,808	39,071			11,530	41,563
1921	484	1,669					10,280	37,162			10,764	38,831
1922	443	1,530					10,133	36,631			10,576	38,161
1923	648	2,235					8,849	31,989			9,497	34,224
1924	368	1,268					5,075	18,346			5,443	19,614
1925	312	1,075					6,278	22,695			6,590	23,770
1926	598	2,063					5,309	19,192			5,907	21,255
1927	472	1,628					7,676	27,749			8,148	29,377
1928	472	1,630					14,622	52,859			15,094	54,489
1929	335	1,157			2	8	15,408	55,700			15,746	56,865
1930	692	2,389			169	612	15,159	54,800			16,021	57,801
1931	464	1,600			441	1,594	10,091	36,479			10,996	39,673
1932	230	794			662	2,392	11,302	40,857			12,194	44,043
1933	306	1,054	1,662	3,009	1,792	6,478	10,423	37,679			14,183	48,220
1934	443	1,529	3,027	6,927	2,649	9,576	15,774	57,023			22,693	75,054
1935	508	1,754	5,432	9,832	2,912	10,526	11,737	42,429			20,589	64,542
1936	399	1,375	15,406	28,029	3,023	10,928	21,420	77,433			40,327	117,765
1937	607	2,095	13,986	25,315	2,802	10,127	10,978	39,685			28,373	77,223
1938	310	1,069	15,844	28,677	3,856	13,940	11,248	40,662			31,258	84,347
1939	634	2,187	12,010	21,739	3,818	13,802	8,141	29,430			24,603	67,158
1940	748	2,579	10,426	18,871	4,589	16,591	9,314	33,670			25,077	71,711
1941	888	3,064	8,685	15,719	3,162	11,431	9,397	33,970			22,132	64,184
1942	302	1,042	11,397	20,628	2,392	8,648	3,563	12,880			17,654	43,198
1943	271	935	4,122	7,460			2,580	9,327			6,973	17,722
1944			1,984	3,591			482	1,742			2,466	5,333
1945			244	441							244	441
1955									3,405	6,163	3,405	6,163
1956									3,224	5,835	3,224	5,835
1957									2,662	4,818	2,662	4,818
1958									1,622	2,936	1,622	2,936

Sources Column I: Column II converted at 3.450 kg/fish (INPFC Bull 39, Table 5-I footnote 6). Column II: INPFC Bull. 39, Table 43. Column III: INPFC Bull. 39, Table 45. Column IV: Column III converted at 1.81 kg/fish (Table 5). Column V: INPFC Bull. 39, Table 44. Column VI: Column V converted at 3.615 kg/fish (Table 4). Column VII: INPFC Bull. 39, Table 24 (For 1925-1931 coho data from Column V of Table 17 has been subtracted from the chum data - see text). Column VIII: Column VII converted at 3.615 kg/fish (Table 4). Column IX: INPFC Bull. 39, Table 52. Column X: 1955-1956, Column IX converted at 1.17 kg/fish (Table 5).; 1957-1958, INPFC Stat. Yearbooks for 1957 and 1958. Column XI: Sum of Columns I,III,V ,VII and IX. Column X: Sum of Columns

Table 17. Catches of coho salmon by Japanese fisheries adjacent to the USSR coast, 1925-1958.

	I	II	III	IV	V	VI	VII	VIII	IX	X
	North Kuriles		Kamchatka Mothership		USSR Coast		Sea of Okhotsk Mothership		Total	
Year	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1925					1,033	3,460			1,033	3,460
1926					819	2,743			819	2,743
1927					1,050	3,516			1,050	3,516
1928					986	3,302			986	3,302
1929					782	2,619			782	2,619
1930			4	15	1,528	5,117			1,532	5,132
1931			63	212	628	2,103			691	2,315
1932			.2	1	517	1,731			517	1,732
1933	57	123	6	21	336	1,125			399	1,270
1934	350	763	180	603	441	1,477			971	2,842
1935	839	1,829	163	546	663	2,220			1,665	4,596
1936	2,367	5,160	400	1,341	2,084	6,979			4,851	13,480
1937	1,714	3,737	299	1,002	1,144	3,831			3,158	8,571
1938	1,298	2,830	219	733	612	2,050			2,129	5,613
1939	809	1,765	183	613	520	1,741			1,512	4,119
1940	290	632	126	422	439	1,470			855	2,524
1941	307	670	29	96	314	1,052			650	1,818
1942	502	1,094	31	102	480	1,608			1,012	2,803
1943	380	827			36	121			416	948
1944	166	361			10	33			176	395
1945	43	94							43	94
1955							392	855	392	855
1956							117	255	117	255
1957							102	197	102	197
1958							51	137	51	137

Sources Column I: INPFC Bull 39, Table 45. Column II: Column I converted at 2.18 kg/fish (Table 5). Column III: INPFC Bull. 39, Table 44. Column IV: Column III converted at 3.349 kg/fish (Table 4). Column V: 1925-1931, Column IV of Table 49; 1932-1944, INPFC Bull 39, Table 24. Column VI: Column V converted at 3.349 kg/fish (Table 8). Column VII: INPFC Bull 39, Table 52. Column VIII: 1955-1956, Column VII converted at 2.18 kg/fish (Table 5); 1957-1958, INPFC Stat. Yearbooks for 1957 and 1958. Column IX: Sum of Columns I,III,V and VII. Column X: Sum of Columns II,IV,VI, and VIII.

Table 10. Catches of chinook salmon by Japanese fisheries adjacent to the USSR coast, 1911-1958.

	I	II	III	IV	V	VI	VII	VIII	IX	X
	North Kuriles		Kamchatka Mothership		USSR Coast		Sea of Okhotsk Mothership		Total	
Year	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1911					6.0	59.0			6.0	59.0
1912					5.1	50.1			5.1	50.1
1913					28.2	277.3			28.2	277.3
1914					11.8	116.0			11.8	116.0
1915					17.6	173.1			17.6	173.1
1916					15.0	147.5			15.0	147.5
1917					14.9	146.5			14.9	146.5
1918					12.0	118.0			12.0	118.0
1919					50.6	497.5			50.6	497.5
1920					70.3	691.3			70.3	691.3
1921					64.6	635.2			64.6	635.2
1922					35.8	352.0			35.8	352.0
1923					24.8	243.9			24.8	243.9
1924					23.7	233.0			23.7	233.0
1925					39.6	389.4			39.6	389.4
1926					77.0	757.1			77.0	757.1
1927					98.2	965.6			98.2	965.6
1928					68.6	674.5			68.6	674.5
1929					82.5	811.2			82.5	811.2
1930			3.3	32.5	111.6	1,097.4			114.9	1,129.8
1931			4.7	46.5	74.8	735.5			79.5	782.0
1932			2.8	27.8	74.8	735.5			77.6	763.3
1933			1.1	10.5	35.5	349.1			36.6	359.5
1934			3.2	31.3	68.7	675.5			71.9	706.8
1935	17.4	52.6	2.9	28.2	103.2	1,014.8			123.5	1,095.6
1936	39.8	120.1	1.6	15.7	77.0	757.1			118.4	892.9
1937	30.9	93.4	1.6	16.2	123.4	1,213.4			156.0	1,322.9
1938	25.7	77.6	3.1	30.5	91.4	898.7			120.2	1,006.9
1939	7.3	21.9	1.9	18.4	57.6	566.4			66.7	606.8
1940	4.5	13.5	7.6	74.3	67.3	661.8			79.3	749.6
1941	9.9	30.0	3.5	34.0	66.3	651.9			79.7	715.9
1942	14.9	45.0	1.1	10.6	31.4	308.8			47.4	364.3
1943	4.5	13.6			0.3	2.9			4.8	16.5
1944	0.2	0.6			<0.1	0.0			0.2	0.6
1945	<0.1	<0.1								
1955							2.0	6.0	2.0	6.0
1956							1.0	3.0	1.0	3.0
1957							<0.5	1.8	<0.5	1.8
1958							1.0	2.3	1.0	2.3

Sources Column I: INPFC Bull 39, Table 45. Column II: Column I converted at 3.02 kg/fish (Table 5). Column III: INPFC Bull 39, Table 44. Column IV: Column III converted at 9.833 kg/fish (Table 4). Column V: INPFC Bull. 39, Table 24. Column VI: Column V converted at 9.833 kg/fish (Table 4). Column VII: INPFC Bull. 39, Table 52. Column VIII: 1955-1956, Conversion of Column V at 3.02 kg/fish (Table 5); 1957- 1958, INPFC Stat. Yearbooks for 1957 and 1958. Column IX: Sum of Columns I,III,V and VII. Column X: Sum of Columns II,IV,VI and VIII.

Table 19. Catches and estimated interceptions of sockeye, pink, and coho salmon by the Japanese North Pacific and Bering Sea Mothership fishery, in thousands of fish, 1952-1982.

	I	II	III	IV	V	VI	VII	VIII	IX
	Sockeye			Pink			Coho		
Year	Total	North American	USSR	Total	North American	USSR	Total	Alaska	USSR
1952	736	447	289	699	0	699	24	0	24
1953	1,580	282	1,298	3,065	0	3,065	340	0	340
1954	3,816	301	3,515	5,804	0	5,804	1,398	0	1,398
1955	12,164	779	11,385	16,508	0	16,508	3,184	0	3,184
1956	9,634	3,335	6,299	12,006	16	11,990	3,758	7	3,751
1957	19,822	6,454	13,368	21,046	0	21,046	340	0	340
1958	11,971	399	11,572	13,199	0	13,199	3,342	0	3,342
1959	9,125	650	8,475	18,856	0	18,856	1,423	0	1,423
1960	12,879	3,948	8,931	1,885	28	1,857	962	0	962
1961	12,998	5,949	7,049	3,263	2	3,261	284	0	284
1962	10,590	906	9,684	1,139	25	1,114	1,532	<0.5	1,532
1963	8,903	990	7,913	6,732	<0.5	6,732	1,095	0	1,095
1964	7,097	1,095	6,002	2,281	15	2,266	3,535	175	3,360
1965	12,038	6,495	5,543	4,429	2	4,427	1,177	0	1,177
1966	7,254	1,588	5,666	2,553	23	2,530	469	0	469
1967	8,087	884	7,203	7,781	4	7,777	226	0	226
1968	6,373	1,652	4,721	3,823	27	3,796	898	3	895
1969	5,935	1,754	4,181	6,972	3	6,969	1,306	<0.5	1,306
1970	6,944	4,663	2,281	1,726	60	1,666	180	20	160
1971	3,554	1,430	2,124	8,202	5	8,197	454	24	430
1972	3,184	921	2,263	3,795	29	3,766	615	0	615
1973	2,613	882	1,731	12,018	4	12,014	989	13	976
1974	2,282	954	1,328	7,756	253	7,503	1,085	149	936
1975	2,171	864	1,307	14,654	4	14,650	356	4	352
1976	2,277	1,007	1,270	7,215	224	6,991	827	33	794
1977	1,508	640	868	9,100	5	9,095	79	<0.5	79
1978	1,882	360	1,522	1,853	0	1,853	609	0	609
1979	2,186	478	1,708	3,405	0	3,405	281	0	281
1980	2,412	861	1,551	561	0	561	656	0	656
1981	2,224	517	1,707	4,094	0	4,094	615	0	615
1982	1,738	291	1,447	1,654	0	1,654	1,183	0	1,183

Sources Columns I,IV and VII: 1952-1976, INPFC Bull. 39, Table 52 (Sea of Okhotsk catches subtracted from total mothership catches for 1955-1958). 1977-1980, INPFC Stat. Yearbooks for 1977 to 1980; 1980-1982, Fish. Agency of Japan, unpub. data. Column II: 1952-1955, Column X of Table 21; 1956-1977, Fredin (1980), Table 1; 1978-1982, U.S. Nat. Mar. Serv., unpub. Column III: Column II subtracted from Column I. Columns V and VIII: 1952-1977, Fredin (1980), Tables 2 and 4 respectively; 1977-1982, U.S. Nat. Mar. Serv., unpub. Column VI: Column V subtracted from Column IV. Column IX: Column VIII subtracted from Column VII

Table 20. Catches and estimated interceptions of sockeye, pink, and coho salmon by the Japanese North Pacific and Bering Sea Mothership fishery, in metric tonnes, 1952-1982.

	I	II	III	IV	V	VI	VII	VIII	IX
	Sockeye			Pink			Coho		
Year	Total	North American	USSR	Total	North American	USSR	Total	Alaska	USSR
1952	1,517	921	596	969	0	969	51	0	51
1953	3,821	682	3,139	3,782	0	3,782	713	0	713
1954	9,231	728	8,503	7,161	0	7,161	2,937	0	2,937
1955	24,953	1,598	23,355	23,990	0	23,990	8,097	0	8,097
1956	18,611	6,443	12,169	16,746	22	16,724	8,757	16	8,740
1957	42,009	13,678	28,331	27,167	0	27,167	738	0	738
1958	26,393	880	25,513	18,858	0	18,858	9,067	0	9,067
1959	18,463	1,315	17,148	25,252	0	25,252	3,215	0	3,215
1960	28,047	8,598	19,449	2,459	37	2,422	2,389	0	2,389
1961	34,901	15,974	18,927	4,988	3	4,985	647	0	647
1962	24,586	2,103	22,483	1,631	36	1,595	4,395	0	4,395
1963	19,071	2,121	16,950	9,591	0	9,591	5,226	0	5,226
1964	14,125	2,179	11,946	3,048	20	3,028	8,250	408	7,842
1965	24,709	13,332	11,377	6,081	3	6,078	2,580	0	2,580
1966	15,693	3,435	12,258	3,276	30	3,246	1,601	0	1,601
1967	16,693	1,825	14,868	10,630	5	10,625	605	0	605
1968	12,810	3,321	9,489	4,085	35	4,050	2,111	7	2,104
1969	11,666	3,448	8,218	9,270	4	9,266	2,566	0	2,566
1970	13,003	8,732	4,271	2,087	73	2,014	435	48	387
1971	6,435	2,589	3,846	10,242	6	10,236	1,069	57	1,012
1972	5,389	1,559	3,830	4,307	33	4,274	1,333	0	1,333
1973	4,692	1,584	3,108	14,474	5	14,469	2,067	27	2,040
1974	3,933	1,644	2,289	9,024	294	8,730	2,560	352	2,208
1975	3,721	1,481	2,240	16,367	4	16,363	737	8	729
1976	3,943	1,744	2,199	8,058	250	7,808	1,842	74	1,768
1977	2,651	1,125	1,526	10,191	6	10,185	170	0	170
1978	3,353	641	2,712	2,232	0	2,232	1,443	0	1,443
1979	3,934	860	3,074	4,192	0	4,192	640	0	640
1980	4,596	1,641	2,955	702	0	702	1,545	0	1,545
1981	3,814	887	2,927	4,930	0	4,930	1,106	0	1,106
1982	3,039	509	2,530	2,214	0	2,214	2,957	0	2,957

Sources Columns I, IV and VII: 1952-1954 & 1959-1976, INPFC Bull. 39, Table 51; 1955-1958 and 1977-1980, INPFC Stat. Yearbooks (1955-1958 and 1977-1980); 1981-1982, Fish. Agency Jap., unpub. Columns II, III, V, VI, VIII and IX: USSR and North American proportions of total mothership catch in Table 19 applied to total mothership catches in Columns I,IV and VII (See text).

Table 21. Estimated interceptions of sockeye salmon bound for Alaska caught in the Japanese high seas mothership fishery in the North Pacific Ocean and Bering Sea, in numbers of fish, 1952-1955.

	I	II	III	IV	V	VI	VII	VIII	IX	X
		Area 5								
Year	Areas 7 & 9	May	June	July	Up to June10	% Int	After June10	% Int	Inter-ceptions	Total
1952	368,396	1,136	126,396	34,497	43,264	45	110,761	50	78,849	447,245
1953	184,580	81,615	273,095		172,904	35	182,597	20	97,036	281,616
1954	135,250	241,506	324,781		349,756	35	216,521	20	165,719	300,977
1955	83,950	1,562,386	546,587	59,737	1,744,563	35	424,128	20	695,423	779,373

Sources Catch data (from INPFC Stat. Yearbooks from 1952-1955), grouped by interception areas outlined by Fredin and Worlund (1974), Fig. 1. Interceptions estimated assuming all sockeye in Areas 7 and 9 consisted of Bristol Bay salmon, and percentage interception rates listed in Columns IV and VI applied to Area 5. Column VIII: Column I plus Column VII.

Table 22. Catches and estimated areas of origin of chum salmon taken in the Japanese North Pacific and Bering Sea Mothership fishery, in thousands of fish, 1952-1982.

	I	II	III	IV	V	VI	VII
Year	Total Catch	Percent Japanese	Japan	USSR	North American	Canada (Yukon)	Alaska
1952	626	1.67	10	616	0	0	0
1953	2,707	1.67	45	2,662	0	0	0
1954	9,404	1.67	157	9,247	0	0	0
1955	10,573	1.67	310	10,263	0	0	0
1956	17,167	1.67	287	16,734	146	19	127
1957	9,246	1.67	154	9,052	40	5	35
1958	17,165	1.67	287	16,878	-	0	0
1959	12,859	1.67	215	12,622	22	3	19
1960	10,517	1.89	199	10,144	174	23	151
1961	6,128	2.15	132	5,935	61	8	53
1962	6,372	2.44	155	6,182	35	5	30
1963	5,858	2.76	162	5,643	53	7	46
1964	8,641	3.13	271	8,240	130	17	113
1965	6,036	3.55	214	5,731	91	12	79
1966	8,562	4.03	345	8,110	107	14	93
1967	6,837	4.57	312	6,443	82	11	71
1968	8,107	5.18	420	7,535	152	20	132
1969	7,721	5.87	453	7,096	172	22	150
1970	9,638	6.66	642	8,706	290	38	252
1971	9,968	7.55	753	8,964	251	33	218
1972	13,373	8.56	1,145	11,892	336	44	292
1973	7,857	9.71	763	6,965	129	17	112
1974	9,283	11.01	1,022	8,055	206	27	179
1975	7,367	12.49	920	6,321	126	16	110
1976	10,444	14.16	1,479	8,749	216	28	188
1977	5,996	16.06	963	4,733	300	39	261
1978	3,802	18.21	692	3,102	8	1	7
1979	3,277	20.65	677	2,557	43	6	37
1980	3,098	23.42	726	2,333	39	5	34
1981	2,539	26.56	674	1,837	28	4	24
1982	3,217	30.12	969	2,210	38	5	33

Sources Column I: 1952-1976, INPFC Bull. 39, Table 52 (Sea of Okhotsk catches subtracted from total mothership catches for 1955-1958); 1977-1980 INPFC Stat. Yearbooks for 1977 to 1980; 1981-1982, Fish. Agency Jap., unpub. Column II: See text. Column III: Percentage in Column II applied to Column I. Column IV: Columns III and V subtracted from Column I. Column V: 1956-1977, Fredin (1980), Table 3; 1978-1982, U.S. Nat. Mar. Fish. Serv., unpub. Column VI: 13% of Column V (See text). Column VII: Column VI subtracted from Column V.

Table 23. Catches and estimated areas of origin of chum salmon taken in the Japanese North Pacific and Bering Sea Mothership fishery, in metric tonnes, 1952-1982.

	I	II	III	IV	V	VI	VII
Year	Total Catch	Percent Japanese	Japan	USSR	North American	Canada (Yukon)	Alaska
1952	1,244	1.67	21	1,223	0	0	0
1953	6,335	1.67	106	6,229	0	0	0
1954	22,005	1.67	367	21,638	0	0	0
1955	37,622	1.67	628	36,994	0	0	0
1956	33,460	1.67	559	32,617	285	37	248
1957	16,908	1.67	282	16,552	73	10	64
1958	32,982	1.67	551	32,431	0	0	0
1959	23,787	1.67	397	23,349	41	5	35
1960	20,584	1.89	390	19,854	341	44	296
1961	13,013	2.15	279	12,604	130	17	113
1962	13,547	2.44	330	13,143	74	10	65
1963	12,137	2.76	335	11,692	110	14	96
1964	17,896	3.13	560	17,066	269	35	234
1965	11,588	3.55	412	11,002	175	23	152
1966	18,287	4.03	736	17,322	229	30	199
1967	14,244	4.57	651	13,423	171	22	149
1968	16,919	5.18	876	15,726	317	41	276
1969	15,591	5.87	916	14,328	347	45	302
1970	19,889	6.66	1,325	17,966	598	78	521
1971	19,059	7.55	1,439	17,140	480	62	418
1972	23,608	8.56	2,022	20,993	593	77	516
1973	14,018	9.71	1,361	12,426	230	30	200
1974	17,208	11.01	1,895	14,931	382	50	332
1975	12,738	12.49	1,591	10,929	218	28	190
1976	17,898	14.16	2,535	14,993	370	48	322
1977	10,337	16.06	1,660	8,160	517	67	450
1978	8,067	18.21	1,469	6,581	17	2	15
1979	6,327	20.65	1,307	4,937	83	11	72
1980	6,685	23.42	1,566	5,035	84	11	73
1981	5,237	26.56	1,391	3,788	58	8	50
1982	6,858	30.12	2,065	4,712	81	11	70

Sources Column I: 1952-1976, INPFC Bull. 39, Table 52 (Sea of Okhotsk catches from Column X of Table 16 subtracted from total mothership catches for 1955-1958); 1977-1980 INPFC Stat. Yearbooks for 1977 to 1980; 1981-1982, Fish. Agency Jap., unpub. Column II: See text. Column III: Percentage in Column II applied to Column I. Column IV: Columns III and V subtracted from Column I. Column V: Proportion of North American catches to total mothership catches from Table 22 applied to Column I; Column VI: 13% of Column V (See text). Column VII: Column VI subtracted from Column V.

Table 24. Commercial catches of chinook and chum salmon in the Western Alaska District, in thousands of fish, 1961-1983.

	I	II	III	IV	V	VI
	Yukon				Total Western Alaska	
	Chum		Chinook		Chum	Chinook
Year	1000 fish	Percent	1000 fish	Percent	1000 fish	1000 fish
1961	42.5	4.3	119.7	49.2	991.1	243.1
1962	53.7	4.8	94.7	44.4	1,128.4	213.1
1963	-	-	117.0	56.2	635.2	208.1
1964	8.3	0.7	93.6	36.0	1,174.2	260.0
1965	23.2	4.3	118.0	44.9	534.5	263.0
1966	71.0	11.7	93.3	45.0	608.7	207.5
1967	49.2	7.6	129.4	45.6	646.2	283.9
1968	67.4	11.2	106.5	41.1	600.8	259.0
1969	192.6	25.8	90.7	31.5	747.4	287.6
1970	347.1	24.0	79.3	27.3	1,445.3	290.0
1971	289.7	20.4	110.5	39.0	1,416.7	283.2
1972	287.8	20.6	92.8	41.4	1,396.5	224.1
1973	517.9	25.4	75.4	42.5	2,040.1	177.3
1974	879.2	40.2	97.9	53.9	2,185.1	181.6
1975	985.3	42.4	63.9	50.6	2,321.1	126.2
1976	756.0	28.6	88.3	36.6	2,648.0	241.5
1977	792.9	24.7	96.8	32.7	3,211.2	296.1
1978	1,288.6	40.4	99.2	26.1	3,193.5	379.6
1979	1,139.3	42.4	127.7	30.2	2,687.3	422.4
1980	1,222.0	28.2	154.0	47.9	4,334.2	321.7
1981	1,473.4	29.3	158.0	31.5	5,021.3	501.5
1982	685.6	30.0	123.6	24.8	2,283.3	497.7
1983	1,202.5	31.5	147.9	30.7	3,810.3	481.0
		----		----		
Average 1974-83:		33.8		36.5		

Sources Columns I,II,V and VI: Alaska Dept. Fish Game (1984). Columns II and IV: Columns I and III as percentages of Columns V and VI respectively.

Table 25. Catches and estimated areas of origin of chinook salmon taken in the Japanese North Pacific and Bering Sea Mothership fishery, in thousands of fish, 1952-1982.

	I	II	III	IV	V
Year	Total Catch	USSR	North American	Canada (Yukon)	Alaska
1952	1	1	0	0	0
1953	8	8	0	0	0
1954	74	74	0	0	0
1955	74	74	0	0	0
1956	136	80	56	4	52
1957	31	16	15	1	14
1958	45	40	5	0	5
1959	68	40	28	2	26
1960	180	45	135	9	126
1961	31	17	14	1	13
1962	122	92	30	2	28
1963	87	46	41	3	38
1964	410	154	256	18	238
1965	185	79	106	7	99
1966	208	96	112	8	104
1967	128	58	70	5	65
1968	362	135	227	16	211
1969	554	116	438	31	407
1970	437	91	346	24	322
1971	206	62	144	10	134
1972	261	91	170	12	158
1973	119	72	47	3	44
1974	361	72	289	20	269
1975	162	53	109	8	101
1976	285	114	171	12	159
1977	93	23	70	5	65
1978	105	74	31	2	29
1979	126	61	65	5	60
1980	704	324	380	27	353
1981	88	62	26	2	24
1982	107	64	43	3	40

Sources Column I: 1952-1976, INPFC Bull. 39 Table 52 (Sea of Okhotsk catches subtracted from total mothership catches for 1955- 1958); 1977- 1980, INPFC Stat. Yearbooks for 1977 to 1980; 1981-1982 Fish. Agency Jap., unpub. data. Column II: Column III subtracted from Column I. Column III: 1952-1977, Fredin (1980), Table 5; 1978-1982, U.S. Nat. Mar. Fish. Serv. unpub. Column IV: 7% of Column III (see text). Column V: Column IV subtracted from column III.

Table 26. Catches and estimated areas of origin of chinook salmon taken in the Japanese North Pacific and Bering Sea Mothership fishery, in metric tonnes, 1952-1982.

	I	II	III	IV	V
Year	Total Catch	USSR	North American	Canada (Yukon)	Alaska
1952	5	5	0	0	0
1953	31	31	0	0	0
1954	276	276	0	0	0
1955	303	303	0	0	0
1956	408	240	168	12	156
1957	93	48	45	3	42
1958	155	138	17	1	16
1959	200	118	82	6	77
1960	500	125	375	26	349
1961	105	58	47	3	44
1962	441	333	108	8	101
1963	244	129	115	8	107
1964	1,130	424	706	49	656
1965	472	202	270	19	252
1966	614	283	331	23	307
1967	371	168	203	14	189
1968	918	342	576	40	535
1969	1,178	247	931	65	866
1970	995	207	788	55	733
1971	433	130	303	21	281
1972	568	198	370	26	344
1973	337	204	133	9	124
1974	838	167	671	47	624
1975	345	113	232	16	216
1976	677	271	406	28	378
1977	217	54	163	11	152
1978	304	214	90	6	83
1979	356	172	184	13	171
1980	1,913	880	1,033	72	960
1981	278	196	82	6	76
1982	361	216	145	10	135

Sources Column I: 1952-1976, INPFC Bull. 39 Table 51 (Sea of Okhotsk catches from Column X of Table 16 subtracted from total mothership catches for 1955-1958); 1977-1980, INPFC Stat. Yearbooks for 1977 to 1980; 1981-1982 Fish. Agency Jap., unpub. data. Columns II and III: Proportions of USSR and North American catches to total mothership catches from Table 25, applied to Column I. Column IV: 7% of Column III (see text). Column V: Column IV subtracted from Column III.

Table 27. Catches and estimated countries of origin of sockeye, pink and chum salmon caught in the Japanese high seas land-based driftnet fishery, in thousands of fish, 1952-1982.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI
	Sockeye				Pink	Chum					
Year	Total Catch	Percent North American	Alaska	USSR	USSR	Total Catch	Percent Japanese	Japan	Catch East of 165° East	Alaska	USSR
1952	90	0	0	90	13,578	691	1.67	12		0	680
1953	193	0	0	193	10,458	1,491	1.67	25		0	1,466
1954	349	0	0	349	9,354	2,685	1.67	45		0	2,641
1955	518	0	0	518	22,788	3,989	1.67	67		0	3,922
1956	275	0	0	275	21,911	2,115	1.67	35		0	2,080
1957	494	0	0	494	30,885	3,808	1.67	64		0	3,744
1958	914	0	0	914	24,833	9,155	1.67	153		0	9,002
1959	856	0	0	856	35,129	9,045	1.67	151		0	8,894
1960	1,648	0	0	1,648	20,129	8,684	1.89	164		0	8,520
1961	1,208	0	0	1,208	34,559	6,104	2.15	131		0	5,973
1962	154	5.0	8	146	14,021	7,577	2.44	185		0	7,392
1963	18	5.0	1	17	31,255	7,538	2.76	208		0	7,329
1964	108	5.0	5	102	17,247	8,956	3.13	280		0	8,676
1965	159	5.0	8	151	29,142	8,330	3.55	296		0	8,034
1966	703	5.0	35	668	16,032	11,848	4.03	477		0	11,371
1967	2,566	5.0	128	2,437	23,051	11,078	4.57	506		0	10,572
1968	2,769	5.0	138	2,630	15,899	8,457	5.18	438		85	7,934
1969	2,495	5.0	125	2,371	23,610	4,908	5.87	288		49	4,571
1970	2,966	11.25	334	2,632	13,403	6,585	6.66	439	3,154	126	6,021
1971	3,026	11.25	340	2,686	16,977	6,250	7.55	472	3,022	121	5,657
1972	3,718	12.0	446	3,272	17,578	8,981	8.56	769	4,003	160	8,052
1973	3,318	10.5	348	2,970	24,227	7,837	9.71	761	3,498	140	6,936
1974	3,158	12.0	379	2,779	14,424	12,531	11.01	1,380	5,065	203	10,948
1975	2,983	19.9	594	2,389	19,046	11,877	12.49	1,483	4,975	199	10,195
1976	3,531	16.4	579	2,952	12,236	11,930	14.16	1,690	4,886	195	10,045
1977	1,289	9.8	126	1,163	15,041	6,230	16.06	1,001	2,616	105	5,125
1978	1,293	11.0	142	1,150	7,846	3,488	18.21	635	1,494	60	2,793
1979	757	9.2	70	687	13,427	2,860	20.66	591	1,140	46	2,224
1980	798	11.4	90	708	14,515	3,174	23.42	743	1,155	46	2,384
1981	847	11.5	97	750	13,726	3,094	26.56	822	1,325	53	2,219
1982	726	11.5	83	643	13,864	3,519	30.12	1,060			2,459

Sources Columns I, V, and VI: Weight data from Fredin (1977), Appendix Table 1.3 (for 1952-1957), INPFC Bull 39, Table 53 (for 1958-1976), INPFC Stat. Yearbooks (for 1977-1980), and Fish. Agency Jap., unpub. (for 1981-1982), converted to thousands of fish using average weights presented in Table 92 of INPFC Bull. 39. Column II: 1972-1981, Meyer and Collins (1983), Appendix Table 4; 1970-1971, estimated as the average of interception rates for 1972 & 1973; 1962-1969, arbitrarily set at 5% - see text. Column III: 1952-1969, application of percentages in Column II to Column I. Column IV: Column III subtracted from Column I. Column V: Total pink catch. Column VII: Percentages from Column II of Table 22 (See text). Column VIII: Application of percentages in Column VII to Column VI. Column IX: 1970-1980, INPFC Stat. Yearbooks for 1970-1980; 1981, Fish Agency Jap., unpub. Column X: 1968-1969, 1% of Column VI; 1970-1981, 4% of Column IX. Column XI: Columns VIII and X subtracted from Column VI.

Table 28. Catches and estimated countries of origin of coho and chinook salmon caught in the Japanese high seas land-based driftnet fishery, in thousands of fish, 1952-1982.

	I	II	III	IV	V	VI
	Coho			Chinook		
Year	Total	Alaska	USSR	Total	Alaska	USSR
1952	129	32	97	8	5	3
1953	278	70	209	17	10	7
1954	500	125	375	31	19	12
1955	744	186	558	46	28	18
1956	394	99	296	24	14	10
1957	710	178	533	44	26	18
1958	820	205	615	45	27	18
1959	1,229	307	922	70	42	28
1960	1,404	351	1,053	111	66	44
1961	1,517	379	1,138	77	46	31
1962	1,289	322	967	125	75	50
1963	1,492	373	1,119	102	61	41
1964	1,624	406	1,218	195	117	78
1965	1,913	478	1,434	93	56	37
1966	1,459	365	1,094	112	67	45
1967	1,329	332	997	110	66	44
1968	1,421	355	1,066	88	53	35
1969	3,328	832	2,496	83	50	33
1970	2,259	565	1,694	101	61	40
1971	2,373	593	1,780	134	80	54
1972	2,424	606	1,818	107	64	43
1973	3,796	949	2,847	164	98	66
1974	3,562	891	2,672	187	112	75
1975	3,697	924	2,773	138	83	55
1976	2,754	689	2,066	201	121	80
1977	1,722	431	1,292	146	88	58
1978	2,512	628	1,884	210	126	84
1979	1,199	300	899	163	98	65
1980	1,234	309	926	170	102	68
1981	1,290	323	968	171	103	68
1982	1,205	301	904	167	100	67

Sources Columns I and IV: Weight data from Fredin (1977), Appendix Table 1.3 (for 1952-1957), INPFC Bull 39, Table 53 (for 1952-1976), INPFC Stat. Yearbooks (for 1977-1980), and Fish. Agency Jap, unpub. (for 1981-1982), converted to thousands of fish using average weights presented in Table 92 of INPFC Bull. 39. Column II: 25% of Column I (See text). Column III: Column II subtracted from Column I. Columns V and VI: 60 and 40% of Column IV respectively (See text).

Table 29. Catches and estimated countries of origin of sockeye, pink and chum salmon caught in the Japanese high seas land-based driftnet fishery, in metric tonnes, 1952-1982.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI
	Sockeye				Pink	Chum					
Year	Total Catch	Percent North American	Alaska	USSR	USSR	Total Catch	Percent Japanese	Japan	Catch East of 165° East	Alaska	USSR
1952	134	0		134	16,280	1,303	1.67	22		0	1,281
1953	288	0		288	12,530	2,811	1.67	47		0	2,764
1954	519	0		519	11,215	5,062	1.67	85		0	4,977
1955	771	0		771	27,323	7,519	1.67	126		0	7,393
1956	409	0		409	26,271	3,987	1.67	67		0	3,920
1957	736	0		736	37,031	7,178	1.67	120		0	7,058
1958	1,361	0	0	1,361	36,256	19,591	1.67	327		0	19,264
1959	1,275	0	0	1,275	48,302	19,366	1.67	323		0	19,043
1960	2,454	0	0	2,454	28,080	19,070	1.89	361		0	18,709
1961	1,798	0	0	1,798	49,316	13,118	2.15	282		0	12,836
1962	207	5.0	10	197	17,106	13,737	2.44	335		0	13,402
1963	31	5.0	2	29	35,818	15,467	2.76	427		0	15,040
1964	164	5.0	8	156	19,972	16,050	3.13	503		0	15,547
1965	301	5.0	15	286	32,319	15,218	3.55	540		0	14,678
1966	906	5.0	45	861	18,677	20,782	4.03	837		0	19,945
1967	3,797	5.0	190	3,607	25,517	18,555	4.57	847		0	17,708
1968	3,954	5.0	198	3,756	19,937	15,332	5.18	794		153	14,385
1969	3,833	5.0	192	3,641	27,293	9,075	5.87	533		91	8,451
1970	4,846	11.25	545	4,301	16,647	12,980	6.66	864	6,217	249	11,867
1971	4,596	11.25	517	4,079	20,253	11,675	7.55	882	5,646	226	10,567
1972	5,626	12.0	675	4,951	21,199	16,759	8.56	1,435	7,469	299	15,025
1973	4,702	10.5	494	4,208	25,535	14,482	9.71	1,406	6,464	259	12,817
1974	4,222	12.0	507	3,715	15,462	20,275	11.01	2,233	8,195	328	17,714
1975	4,012	19.9	798	3,214	18,551	20,999	12.49	2,623	8,796	352	18,025
1976	4,901	16.4	804	4,097	13,044	20,067	14.16	2,842	8,218	329	16,896
1977	1,848	9.8	181	1,667	17,978	11,223	16.06	1,802	5,670	227	9,194
1978	1,814	11.0	200	1,614	8,968	6,176	18.21	1,125	2,582	103	4,948
1979	1,072	9.2	99	973	14,326	4,951	20.65	1,023	1,946	78	3,851
1980	1,125	11.4	128	997	13,870	5,562	23.42	1,303	2,025	81	4,178
1981	1,287	11.5	148	1,139	13,795	5,320	26.56	1,413	2,279	91	3,816
1982	1,094				13,099	6,291	30.12	1,695			

Sources Columns I, V, and VI: 1952-1976, INPFC Bull 39, Table 53; 1977-1980, INPFC Stat. Yearbooks for 1977-1980; 1981-1983, Fish. Agency Jap, unpub., Column II: 1972-1981, Meyer and Collins (1983), Appendix Table 4; 1970-1971, estimated as the average of interception rates for 1972 and 1973; 1962-1969, arbitrarily set at 5% (See text). Column III: 1952-1969, application of percentages in Column II to Column I. Column IV: Column III subtracted from Column I. Column V: Total pink catch. Column VII: Percentages from Column II of Table 22. (See text). Column VIII: Application of percentages in Column VII to Column VI. Column IX: 1970-1980, INPFC Stat. Yearbooks for 1970-1980; 1981-1982, Fish Agency Jap., unpub. data. Column X: 1968-1969, 1% of Column VI; 1970-1981, 4% of Column IX. Column XI: Columns VIII and X subtracted from Column VI.

Table 30. Catches and estimated countries of origin of coho and chinook salmon caught in the Japanese high seas land-based driftnet fishery, in metric tonnes, 1952-1982.

	I	II	III	IV	V	VI
	Coho			Chinook		
Year	Total	Alaska	USSR	Total	Alaska	USSR
1952	309	155	155	37	22	15
1953	665	333	333	81	49	32
1954	1,198	599	599	146	88	58
1955	1,780	890	890	216	130	86
1956	944	472	472	114	68	46
1957	1,699	850	850	206	124	82
1958	1.962	981	981	209	125	84
1959	2,942	1,471	1,471	330	198	132
1960	3,362	1,681	1,681	519	311	208
1961	3,632	1.816	1,816	362	217	145
1962	3.961	1,981	1,981	563	338	225
1963	4,224	2,112	2.112	437	262	175
1964	4,252	2,126	2,126	820	492	328
1965	4,615	2,308	2,308	478	287	191
1966	3,620	1,810	1,810	569	341	228
1967	3,240	1,620	1,620	563	338	225
1968	3,432	1,716	1.716	443	266	177
1969	6,988	3,494	3,494	335	201	134
1970	4,935	2,468	2,468	434	260	174
1971	5,751	2,876	2,876	575	345	230
1972	6,120	3,060	3,060	558	335	223
1973	8,567	4,284	4,284	785	471	314
1974	7,156	3,578	3,578	936	562	374
1975	7,424	3,712	3.712	676	406	270
1976	5,849	2,925	2,925	881	529	352
1977	3,582	1,791	1,791	609	365	244
1978	4,320	2,160	2,160	720	432	288
1979	2,067	1,034	1,034	752	451	301
1980	2,159	1,080	1,080	508	305	203
1981	2,089	1,045	1,045	662	397	265
1982	2,065	1,033	1.033	619	371	248

Sources Columns I and IV: 1952-1957, Fredin (1977), Appendix Table 1.3; 1958-1976, INPFC Bull 39, Table 53; 1977-1980, INPFC Stat. Yearbooks for 1977-1980; 1981-1982, Fish. Agency Jap., unpub. data. Columns II and III: 50% of Column I (See text). Columns V and VI: 60% and 40% of Column IV respectively (See text).

Table 31. Catches and estimated interceptions of salmon taken in the Japanese landbased longline fishery, in thousands of fish, 1952-1971.

	I	II	III	IV	V	VI	VII	VIII
	Sockeye	Pink	Chum				Coho	Chinook
Year	USSR	USSR	Total Catch	Percent Japanese	Japan	USSR	USSR	USSR
1952	0	723	8	1.67	<0.5	8	0	0
1953	0	475	2	1.67	<0.5	2	0	0
1954	0	956	-	1.67	-	-	0	0
1955	0	886	28	1.67	<0.5	28	0	0
1956	1	5,856	152	1.67	3	149	1	1
1957	5	10,892	823	[illegible]	14	810	9	5
1958	9	5,621	1,338	1.67	22	1,315	15	8
1959	9	9,100	1,480	1.67	25	1,455	16	9
1960	49	6,068	1,474	1.89	28	1,446	113	20
1961	26	11,279	1,317	2.15	28	1,288	3	8
1962	6	11,907	1,436	2.44	35	1,401	5	5
1963	2	17,647	1,810	2.76	50	1,760	8	3
1964	6	7,755	1,739	3.13	54	1,684	4	13
1965	1	18,129	1,188	3.55	42	1,146	1	9
1966	1	11,876	1,880	4.03	76	1,804	1	6
1967	1	18,286	1,219	4.57	56	1,163	1	5
1968	1	7,104	717	5.18	37	680	3	9
1969	1	17,661	295	5.87	17	278	2	5
1970	51	7,538	943	6.66	63	880	1	47
1971	2	14,573	531	7.55	40	491	2	5

Sources Columns I,II,III,VII and VIII: 1952-1959: Fredin (1977), Appendix Table 1.7, 1960-1971: INPFC Bull. 39, Table 54 - data converted from weight to thousands of fish using average weights from Table 92 of the same source. Column IV: Percentages from Column II of Table 22. (see text). Column V: Application of percentages in Column IV to Column III. Column VI: Column V subtracted from Column III.

Table 32. Catches and estimated interceptions of salmon taken in the Japanese landbased longline fishery, in metric tonnes, 1952-1971.

	I	II	III	IV	V	VI	VII	VIII
	Sockeye	Pink	Chum				Coho	Chinook
Year	USSR	USSR	Total Catch	Percent Japanese	Japan	USSR	USSR	USSR
1952		668	15	1.67	<0.5	15		
1953		439	4	1.67	<0.5	4		
1954		883	*	1.67	<0.5	0		
1955		819	55	1.67	1	54	1	1
1956	2	5,411	300	1.67	5	295	3	5
1957	8	10,064	1,631	1.67	27	1,604	19	25
1958	14	7,139	2,651	1.67	44	2,607	30	41
1959	14	9,246	2,770	1.67	46	2,724	32	43
1960	74	5,534	3,278	1.89	62	3,216	228	99
1961	39	11,155	2,723	2.15	58	2,665	7	39
1962	3	10,157	2,838	2.44	69	2,769	12	23
1963	2	16,606	3,546	2.76	98	3,448	25	28
1964	12	7,290	3,184	3.13	100	3,084	13	54
1965	3	14,902	2,292	3.55	81	2,211	1	35
1966	1	10,843	3,798	4.03	153	3,645	2	34
1967	1	14,556	2,370	4.57	108	2,262	1	30
1968	2	6,308	1,423	5.18	74	1,349	7	39
1969	2	14,694	622	5.87	37	585	3	20
1970	86	6,950	1,825	6.66	122	1,703	2	182
1971	3	12,358	1,009	7.55	76	933	3	19

Sources Columns I,II,III,VII and VIII: 1952-1959, Fredin (1977), Appendix Table 1.7: 1960-1971, INPFC Bull. 39, Table 54. Column IV: Percentages from Column II of Table 22 (See text). Column V: Application of percentages in Column IV to Column III. Column VI: Column V subtracted from Column III.

Table 33. Estimated landings and areas of origin of sockeye salmon caught by Japanese fisheries, in thousands of fish, 1909-1982.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII
	Total Catch					USSR Bound					Alaska Bound		
Year	USSR Coast	Mother-ship	Land-based Longline	Land-based Driftnet	Total	USSR Coast	Mother-ship	Land-based Longline	Land-based Driftnet	Total	Mother-ship	Land-based Driftnet	Total
1909	1,264				1,264	1,264				1,264			
1910	1,914				1,914	1,914				1,914			
1911	1,788				1,788	1,788				1,788			
1912	1,298				1,298	1,298				1,298			
1913	2,506				2,506	2,506				2,506			
1914	859				859	859				859			
1915	1,970				1,970	1,970				1,970			
1916	2,944				2,944	2,944				2,944			
1917	2,424				2,424	2,424				2,424			
1918	4,579				4,579	4,579				4,579			
1919	5,696				5,696	5,696				5,696			
1920	4,176				4,176	4,176				4,176			
1921	5,657				5,657	5,657				5,657			
1922	10,593				10,593	10,593				10,593			
1923	8,347				8,347	8,347				8,347			
1924	8,205				8,205	8,205				8,205			
1925	4,326				4,326	4,326				4,326			
1926	6,561				6,561	6,561				6,561			
1927	6,943				6,943	6,943				6,943			
1928	11,996				11,996	11,996				11,996			
1929	7,980				7,980	7,980				7,980			
1930	8,198				8,198	8,198				8,198			
1931	6,713				6,713	6,713				6,713			
1932	7,428				7,428	7,428				7,428			
1933	7,169				7,169	7,169				7,169			
1934	15,844				15,844	15,844				15,844			
1935	6,655				6,655	6,655				6,655			
1936	12,328				12,328	12,328				12,328			
1937	15,964				15,964	15,964				15,964			
1938	16,646				16,646	16,646				16,646			
1939	14,163				14,163	14,163				14,163			
1940	8,941				8,941	8,941				8,941			
1941	10,061				10,061	10,061				10,061			
1942	7,995				7,995	7,995				7,995			
1943	6,564				6,564	6,564				6,564			
1944	2,742				2,742	2,742				2,742			

Continued ....

Table 33. Continued.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII
	Total Catch					USSR Bound					Alaska Bound		
Year	USSR Coast	Mother-ship	Land-based Longline	Land-based Driftnet	Total	USSR Coast	Mother-ship	Land-based Longline	Land-based Driftnet	Total	Mother-ship	Land-based Driftnet	Total
1945	253				253	253				253			
1946													
1947													
1948													
1949													
1950													
1951													
1952		736		90	826		289		90	379	447		447
1953		1,580		193	1,773		1,298		193	1,491	282		282
1954		3,816		349	4,165		3,515		349	3,864	301		301
1955	330	12,164		518	13,012	330	11,385		518	12,233	779		779
1956	656	9,634	1	275	10,566	656	6,299	1	275	7,231	3,335		3,335
1957	274	19,822	5	494	20,595	274	13,368	5	494	14,141	6,454		6,454
1958	55	11,971	9	914	12,949	55	11,572	9	914	12,550	399		399
1959		9,125	9	856	9,990		8,475	9	856	9,340	650		650
1960		12,879	49	1,648	14,576		8,931	49	1,648	10,628	3,948		3,948
1961		12,998	26	1,208	14,231		7,049	26	1,208	8,282	5,949		5,949
1962		10,590	6	154	10,750		9,684	6	146	9,836	906	8	914
1963		8,903	2	18	8,923		7,913	2	17	7,932	990	1	991
1964		7,097	6	108	7,211		6,002	6	102	6,110	1,095	5	1,100
1965		12,038	1	159	12,198		5,543	1	151	5,695	6,495	8	6,503
1966		7,254	1	703	7,958		5,666	1	668	6,335	1,588	35	1,623
1967		8,087	1	2,566	10,654		7,203	1	2,437	9,641	884	128	1,012
1968		6,373	1	2,769	9,143		4,721	1	2,630	7,352	1,652	138	1,790
1969		5,935	1	2,495	8,432		4,181	1	2,371	6,553	1,754	125	1,879
1970		6,944	51	2,966	9,961		2,281	51	2,632	4,964	4,663	334	4,997
1971		3,554	2	3,026	6,582		2,124	2	2,685	4,811	1,430	340	1,770
1972		3,184		3,718	6,902		2,263		3,272	5,535	921	446	1,367
1973		2,613		3,318	5,931		1,731		2,970	4,701	882	348	1,230
1974		2,282		3,158	5,440		1,328		2,779	4,107	954	379	1,333
1975		2,171		2,983	5,154		1,307		2,389	3,696	864	594	1,458
1976		2,277		3,531	5,808		1,270		2,952	4,222	1,007	579	1,586
1977		1,508		1,289	2,797		868		1,163	2,031	640	126	766
1978		1,882		1,293	3,175		1,522		1,150	2,672	360	142	502
1979		2,186		757	2,943		1,708		687	2,395	478	70	548
1980		2,412		790	3,202		1,551		700	2,251	861	90	951
1981		2,224		847	3,071		1,707		750	2,457	517	97	614
1982		1,738		726	2,464		1,447		643	2,090	291	83	374

Sources Column I: Column IX of Table 14. Column II: Column I of Table 19. Column III: Column I of Table 31. Column IV: Column I of Table 27. Column V: Sum of Columns I to IV. Column VI: Column IX of Table 14. Column VII: Column III of Table 19. Column VIII: Column I of Table 31. Column IX: Column IV of Table 27. Column X: Sum of Columns VI to IX. Column XI: Column II of Table 19. Column XII: Column III of Table 27. Column XIII: Sum of Columns XI and XII.

Table 34. Estimated landings and areas of origin of pink salmon caught by Japanese fisheries, in thousands of fish, 1891-1982.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV
	Total Catch							Japan Bound	USSR Bound					
	Japan													
Year	River	Coast	USSR Coast	Mother-ship	Land-based Longline	Land-based Driftnet	Total	Japan Coast & Rivers	USSR Coast	Japan Coast	Mother-ship	Land-based Longline	Land-based Driftnet	Total
1891	1						1	1						
1892	1						1	1						
1893	5						5	5						
1894	1	347					348	348		(11)				(11)
1895	4	181					185	185		(51)				(51)
1896	0.4	352					353	353		(5)				(5)
1897	9	242					251	251		(84)				(84)
1898	1	222					224	224		(11)				(11)
1899	14	202					216	216		(113)				(113)
1900	5	238					243	243		(36)				(36)
1901	4	283					287	287		(28)				(28)
1902	4	277					281	281		(24)				(24)
1903	8	337					344	344		(45)				(45)
1904	4	287					291	291		(24)				(24)
1905	4	666					671	671		140				140
1906	6	812	7,623				8,441	818	7,623	294				7,917
1907	11	1,350	15,505				16,867	1,361	15,505	186				15,692
1908	3	1,700	12,815				14,518	1,703	12,815	178				12,993
1909	4	2,200	4,891				7,095	2,204	4,891	722				5,613
1910	3	8,200	20,131				28,334	8,203	20,131	6,707				26,838
1911	12	14,600	59,862				74,474	14,612	59,862	13,149				73,011
1912	5	13,200	40,259				53,463	13,205	40,259	11,919				52,178
1913	4	22,500	43,926				66,430	22,504	43,926	21,366				65,292
1914	4	5,900	67,805				73,709	5,904	67,805	4,685				72,490
1915	4	19,500	65,534				85,037	19,504	65,534	9,091				74,625
1916	4	7,600	87,473				95,077	7,604	87,473	3,651				91,124
1917	2	14,900	95,834				110,736	14,902	95,834	9,392				105,226
1918	1	7,800	47,661				55,462	7,801	47,661	3,911				51,572
1919	1	12,100	61,124				73,226	12,101	61,124	9,518				70,642
1920	3	6,800	69,468				76,270	6,803	69,468	4,533				74,000
1921	21	10,500	82,400				92,921	10,521	82,400	5,083				87,482
1922	14	5,400	85,024				90,438	5,414	85,024	3,999				89,022
1923	14	8,400	31,562				39,976	8,414	31,562	7,056				38,618
1924	26	7,100	105,846				112,973	7,126	105,846	5,711				111,558
1925	12	8,400	22,448				30,861	8,412	22,448	7,159				29,607
1926	55	11,500	115,026				126,581	11,555	115,026	9,686				124,711
1927	28	8,600	23,000				31,628	8,628	23,000	7,199				30,200
1928	63	8,300	102,256				110,619	8,363	102,256	6,638				108,894
1929	59	24,400	16,594				41,052	24,459	16,594	22,664				39,258
1930	37	12,100	61,833				73,969	12,137	61,833	10,668				72,501
1931	128	1,200	21,525				22,853	1,328	21,525	(681)				20,844
1932	37	2,500	57,217				59,754	2,537	57,217	1,224				58,441
1933	108	12,700	32,947				45,755	12,808	32,947	11,296				44,243
1934	179	25,100	82,614				107,893	25,279	82,614	22,726				105,340
1935	104	43,100	82,575				125,779	43,204	82,575	39,764				122,338
1936	80	45,600	36,258				81,937	45,680	36,258	43,377				79,635
1937	43	74,600	71,776				146,419	74,643	71,776	73,287				145,064
1938	39	67,200	50,696				117,935	67,239	50,696	66,132				116,828
1939	32	123,300	83,153				206,485	123,332	83,153	122,044				205,197

Continued ...

Table 34. Continued

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV
			Total Catch					Japan Bound	USSR Bound						Alaska Bound
	Japan														
Year	River	Coast	USSR Coast	Mother-ship	Land-based Longline	Land-based Driftnet	Total	Japan Coast & Rivers	USSR Coast	Japan Coast	Mother-ship	Land-based Longline	Land-based Driftnet	Total	Mother-ship
1940	55	23,200	34,091				57,346	23,255	34,091	22,007				56,098	
1941	34	64,100	67,633				131,767	64,134	67,633	62,542				130,175	
1942	43	44,700	33,978				78,721	44,743	33,978	43,029				77,007	
1943	71	62,500	58,139				120,710	62,571	58,139	61,641				119,780	
1944	41	11,000	17,522				28,563	11,041	17,522	10,071				27,593	
1945	97	5,400					5,497	5,497		4,575				4,575	
1946	33	1,100					1,133	1,133		519				519	
1947	111	3,000					3,111	3,111		2,007				2,007	
1948	44	700					744	744		265				265	
1949	74	6,100					6,174	6,174		5,533				5,533	
1950	104	3,100					3,204	3,204		2,230				2,230	
1951	223	5,200					5,423	5,423		3,691				3,691	
1952	233	1,163		699	723	13,578	16,396	1,396		4,075	699	723	13,578	19,075	
1953	210	1,050		3,065	475	10,450	15,250	1,260		2,131	3,065	475	10,450	16,121	
1954	160	783		5,804	956	9,354	17,056	943		3,295	5,804	956	9,354	19,408	
1955	417	2,167	9,409	16,508	886	22,788	52,176	2,584	9,409	3,927	16,508	886	22,788	53,519	
1956	215	1,044	5,367	12,006	5,856	21,911	46,399	1,259	5,367	9,913	11,990	5,856	21,911	55,037	16
1957	337	1,513	6,835	21,046	10,892	30,885	71,508	1,850	6,835	8,058	21,046	10,892	30,885	77,715	
1958	174	758	2,347	13,199	5,621	24,833	46,932	932	2,347	17,434	13,199	5,621	24,833	63,435	
1959	173	751		18,856	9,100	35,129	64,009	924		12,067	18,856	9,100	35,129	75,152	
1960	137	598		1,885	6,068	20,129	28,818	736		16,628	1,857	6,068	20,129	44,682	28
1961	141	662		3,263	11,279	34,559	49,905	804		6,571	3,261	11,279	34,559	55,670	2
1962	160	857		1,139	11,907	14,021	28,085	1,017		6,701	1,114	11,907	14,021	33,744	25
1963	118	681		6,732	17,647	31,255	56,433	799		8,479	6,732	17,647	31,255	64,113	<0.5
1964	146	901		2,281	7,755	17,247	28,330	1,047		4,670	2,266	7,755	17,247	31,938	15
1965	151	984		4,429	18,129	29,142	52,836	1,136		8,470	4,427	18,129	29,142	60,169	2
1966	132	856		2,553	11,876	16,032	31,449	988		8,777	2,530	11,876	16,032	39,214	23
1967	156	1,092		7,781	18,286	23,051	50,366	1,248		13,686	7,777	18,286	23,051	62,800	4
1968	134	1,096		3,823	7,104	15,899	28,055	1,230		10,433	3,796	7,104	15,899	37,231	27
1969	116	1,031		6,972	17,661	23,610	49,390	1,147		15,680	6,969	17,661	23,610	63,920	3
1970	113	1,190		1,726	7,538	13,403	23,971	1,304		7,777	1,666	7,538	13,403	30,385	60
1971	143	1,701		8,202	14,573	16,977	41,596	1,844		10,655	8,197	14,573	16,977	50,401	5
1972	104	1,378		3,795		17,578	22,855	1,482		5,565	3,766		17,578	26,909	29
1973	296	3,613		12,018		24,227	40,154	3,909		6,239	12,014		24,227	42,480	4
1974	191	2,211		7,756		14,424	24,581	2,402		5,105	7,503		14,424	27,031	253
1975	237	2,716		14,654		19,046	36,654	2,953		7,788	14,650		19,046	41,484	4
1976	172	1,977		7,215		12,236	21,601	2,149		6,587	6,991		12,236	25,815	224
1977	76	863		9,100		15,041	25,080	939		6,132	9,095		15,041	30,268	5
1978	52	577		1,853		7,846	10,328	629		6,588	1,853		7,846	16,287	
1979	203	2,336		3,405		13,427	19,371	2,539		4,046	3,405		13,427	20,878	
1980	64	692		561		14,515	15,832	756		5,702	561		14,515	20,778	
1981	240	2,667		4,094		13,726	20,727	2,907		3,989	4,094		13,726	21,809	
1982	159	1,770		1,654		13,064	16,648	1,930		3,929	1,654		13,064	18,647	

Sources Column I: Column I of Table 12. Column II: 1894-1951, Column V of Table XIII; 1952-1983, Column VIII of Table 12. Column III: Column VII of Table 15. Column IV: Column IV of Table 19. Column V: Column II of Table 31. Column VI: Column V of Table 27. Column VII: Sum of Columns I to VI. Column VIII: Column IX of Table 12. Column IX: Column VII of Table 15. Column X: Column IX of Table 12. Column XI: Column VI of Table 19. Column XII: Column II of Table 31. Column XIII: Column V of Table 27. Column XIV: Sum of Columns IX to XIII. Column XV: Column V of Table 19.

Table 35. Estimated total landings of chum salmon by Japanese fisheries, in thousands of fish, 1868-1982.

Year	I River	II Coastal Hokkaido	III Coastal Honshu	IV Coastal Total	V Total Japan Islands	VI USSR Coast	VII Mother-ship	VIII Land-based Longline	IX Land-based Driftnet	X Total
1868	1,135				1,135					1,135
1869	930				930					930
1870	1,030				1,030					1,030
1871	1,455				1,455					1,455
1872	1,030				1,030					1,030
1873	900				900					900
1874	123				123					123
1875	910				910					910
1876	865				865					865
1877	725				725					725
1878	955				955					955
1879	1,345				1,345					1,345
1880	1,160				1,160					1,160
1881	865				865					865
1882	1,480				1,480					1,480
1883	1,000				1,000					1,000
1884	582				582					582
1885	503				503					503
1886	798				798					798
1887	645	7,379		7,379	8,024					8,024
1888	727	7,013		7,013	7,740					7,740
1889	573	10,389		10,389	10,962					10,962
1890	481	5,687		5,687	6,168					6,168
1891	472	5,018		5,018	5,490					5,490
1892	580	6,479		6,479	7,059					7,059
1893	296	7,086		7,086	7,382					7,382
1894	203	3,543	1,327	4,870	5,073					5,073
1895	236	3,581	665	4,246	4,482					4,482
1896	288	3,162	723	3,885	4,173					4,173
1897	314	4,525	842	5,367	5,681					5,681
1898	509	3,866	616	4,482	4,991					4,991
1899	300	2,351	1,132	3,483	3,783					3,783
1900	397	2,823	779	3,602	3,999					3,999
1901	264	2,077	1,513	3,590	3,854					3,854
1902	275	1,748	805	2,553	2,828					2,828
1903	405	2,477	761	3,238	3,643					3,643
1904	186	1,816	499	2,315	2,501					2,501
1905	409	2,205	646	2,851	3,260					3,260
1906	202	2,327	1,003	3,330	3,532	291				3,823
1907	256	2,252	963	3,215	3,471	232				3,703
1908	888	1,583	797	2,380	3,268	3,099				6,366
1909	182	1,028	615	1,643	1,825	5,165				6,990
1910	308	1,889	1,035	2,924	3,232	12,218				15,449
1911	593	2,826	1,729	4,555	5,148	8,597				13,745
1912	773	1,882	1,285	3,167	3,940	7,293				11,234
1913	291	1,736	713	2,449	2,740	11,988				14,728
1914	492	2,551	620	3,171	3,663	11,024				14,688
1915	398	2,616	2,320	4,936	5,334	5,737				11,071
1916	179	1,528	772	2,300	2,479	4,183				6,662
1917	348	2,266	848	3,114	3,462	7,079				10,540
1918	339	2,637	911	3,548	3,887	10,169				14,056
1919	435	4,205	902	5,107	5,542	13,056				18,597

Continued ...

Table 35. Continued.

	I	II	III	IV	V	VI	VII	VIII	IX	X
		Coastal								
Year	River	Hokkaido	Honshu	Total	Total Japan Islands	USSR Coast	Mother-ship	Land-based Longline	Land-based Driftnet	Total
1920	401	2,562	896	3,458	3,859	11,530				15,390
1921	266	2,447	739	3,186	3,452	10,764				14,215
1922	473	2,406	679	3,085	3,558	10,576				14,134
1923	758	4,243	749	4,992	5,750	9,497				15,247
1924	285	1,939	440	2,379	2,664	5,443				8,107
1925	483	2,943	711	3,654	4,137	6,590				10,727
1926	606	4,033	683	4,716	5,322	5,907				11,229
1927	320	3,003	599	3,602	3,922	8,148				12,070
1928	264	1,557	568	2,125	2,389	15,094				17,483
1929	301	2,982	805	3,787	4,088	15,746				19,834
1930	416	3,087	927	4,014	4,430	16,021				20,451
1931	428	2,503	1,116	3,619	4,047	10,996				15,043
1932	277	1,405	763	2,168	2,445	12,194				14,639
1933	378	1,704	591	2,295	2,673	14,183				16,856
1934	859	3,651	1,041	4,692	5,551	22,693				28,244
1935	530	4,429	1,204	5,633	6,163	20,589				26,753
1936	495	2,681	968	3,649	4,144	40,327				44,471
1937	573	2,757	802	3,559	4,132	28,373				32,505
1938	617	4,779	632	5,411	6,028	31,258				37,286
1939	807	3,940	669	4,609	5,416	24,603				30,019
1940	661	2,949	522	3,471	4,132	25,077				29,209
1941	667	2,262	638	2,900	3,567	22,132				25,699
1942	737	1,911	550	2,461	3,198	17,654				20,852
1943	733	1,459	708	2,167	2,900	6,973				9,873
1944	633	1,149	254	1,403	2,036	2,466				4,502
1945	634	2,144	446	2,590	3,224	244				3,467
1946	454	1,636	755	2,391	2,845					2,845
1947	361	2,052	371	2,423	2,784					2,784
1948	408	2,576	305	2,881	3,289					3,289
1949	482	3,341	122	3,463	3,945					3,945
1950	489	5,258	203	5,461	5,950					5,950
1951	294	5,972	134	6,106	6,400					6,400
1952	550			2,064	2,614		626	8	691	3,939
1953	310			2,224	2,534		2,707	2	1,491	6,734
1954	687			3,128	3,815		9,404	-	2,685	15,904
1955	486			2,225	2,711	3,405	18,573	28	3,989	28,706
1956	306			1,716	2,022	3,224	17,167	151	2,115	24,679
1957	618			2,979	3,597	2,662	9,246	823	3,808	20,136
1958	658			3,165	3,823	1,622	17,165	1,338	9,155	33,103
1959	542			1,792	2,334		12,859	1,480	9,045	25,718
1960	458			1,815	2,273		10,517	1,474	8,684	22,948
1961	599			3,251	3,850		6,128	1,317	6,104	17,399
1962	698			3,483	4,181		6,372	1,436	7,577	19,566
1963	554			4,348	4,902		5,858	1,810	7,538	20,108
1964	760			4,500	5,260		8,641	1,739	8,956	24,596
1965	1,038			5,588	6,626		6,036	1,188	8,330	22,179
1966	631			4,921	5,552		8,562	1,880	11,848	27,842
1967	874			5,519	6,393		6,837	1,219	11,078	25,527
1968	388			2,994	3,382		8,107	717	8,457	20,663
1969	573			5,102	5,675		7,721	295	4,908	18,599
1970	547			6,607	7,154		9,638	943	6,585	24,320
1971	743			9,387	10,130		9,968	531	6,250	26,879
1972	580			8,041	8,621		13,373		8,981	30,975
1973	801			10,674	11,475		7,857		7,837	27,169
1974	832			12,186	13,018		9,283		12,531	34,832
1975	2,063			17,943	20,006		7,367		11,877	39,250
1976	1,137			11,281	12,418		10,444		11,930	34,792
1977	1,100			14,137	15,237		5,996		6,230	27,463
1978	1,241			16,974	18,215		3,802		3,488	25,505
1979	1,917			26,066	27,983		3,277		2,860	34,120
1980	2,877			22,904	25,781		3,098		3,174	32,053
1981	2,638			30,966	33,604		2,539		3,094	39,237
1982	2,846			27,177	30,023		3,217		3,519	36,759

Sources Column I: 1860-1951, Column I of Table 2; 1951-1981, Column II of Table 8. Column II: Column II of Table 2. Column III: Column IV of Table 7. Column IV: 1887-1951: Sum of Columns II and III; 1952-1981: Column III of Table 8. Column V: Sum of Columns I and IV. Column VI: Column XI of Table 16. Column VII: Column I of Table 22. Column VIII: Column III of Table 31. Column IX: Column VI of Table 27.

Table 36. Partitioning of Japanese chum salmon catches according to country of origin, in thousands of fish, 1868-1982.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI
	Japan Bound							USSR Bound						Alaska Bound		
Year	Hokkaido	Honshu	Total Japan Islands	Mother-ship	Land-based Longline	Land-based Driftnet	Total	USSR Coast	Japan Coast	Mother-ship	Land-based Longline	Land-based Driftnet	Total	Mother-ship	Land-based Driftnet	Total
1868	1,135		1,135				1,135									
1869	930		930				930									
1870	1,030		1,030				1,030									
1871	1,455		1,455				1,455									
1872	1,030		1,030				1,030									
1873	900		900				900									
1874	123		123				123									
1875	910		910				910									
1876	865		865				865									
1877	725		725				725									
1878	955		955				955									
1879	1,345		1,345				1,345									
1880	1,160		1,160				1,160									
1881	865		865				865									
1882	1,480		1,480				1,480									
1883	1,000		1,000				1,000									
1884	582		582				582									
1885	503		503				503									
1886	798		798				798									
1887	7,655		7,655				7,655		369				369			
1888	7,389		7,389				7,389		351				351			
1889	10,443		10,443				10,443		519				519			
1890	5,884		5,884				5,884		284				284			
1891	5,239		5,239				5,239		251				251			
1892	6,735		6,735				6,735		324				324			
1893	7,028		7,028				7,028		354				354			
1894	3,569	1,327	4,896				4,896		177				177			
1895	3,638	665	4,303				4,303		179				179			
1896	3,292	723	4,015				4,015		158				158			
1897	4,613	842	5,454				5,454		226				226			
1898	4,182	616	4,797				4,797		193				193			
1899	2,533	1,132	3,665				3,665		118				118			
1900	3,079	779	3,858				3,858		141				141			
1901	2,237	1,513	3,751				3,751		104				104			
1902	1,936	805	2,740				2,740		87				87			
1903	2,758	761	3,519				3,519		124				124			
1904	1,911	499	2,410				2,410		91				91			
1905	2,504	646	3,149				3,149		110				110			
1906	2,413	1,003	3,416				3,416	291	116				407			
1907	2,395	963	3,359				3,359	232	113				345			
1908	2,392	797	3,189				3,189	3,099	79				3,178			
1909	1,159	615	1,774				1,774	5,165	51				5,216			
1910	2,103	1,035	3,137				3,137	12,218	94				12,312			
1911	3,278	1,729	5,007				5,007	8,597	141				8,738			
1912	2,561	1,285	3,846				3,846	7,293	94				7,387			
1913	1,940	713	2,653				2,653	11,988	87				12,075			
1914	2,915	620	3,536				3,536	11,024	128				11,152			
1915	2,883	2,320	5,203				5,203	5,737	131				5,868			
1916	1,631	772	2,403				2,403	4,183	76				4,260			
1917	2,501	848	3,348				3,348	7,079	113				7,192			
1918	2,844	911	3,755				3,755	10,169	132				10,301			
1919	4,430	902	5,331				5,331	13,056	210				13,266			
1920	2,835	896	3,731				3,731	11,530	128				11,658			
1921	2,591	739	3,329				3,329	10,764	122				10,886			
1922	2,759	679	3,438				3,438	10,576	120				10,697			
1923	4,789	749	5,538				5,538	9,497	212				9,709			
1924	2,127	440	2,567				2,567	5,443	97				5,539			

Continued ...

Table 36. Continued

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII
	Japan Bound							USSR Bound						Alaska Bound			Yukon Bound
Year	Hokkaido	Honshu	Total Japan Islands	Mother-ship	Land-based Longline	Land-based Driftnet	Total	USSR Coast	Japan Coast	Mother-ship	Land-based Longline	Land-based Driftnet	Total	Mother-ship	Land-based Driftnet	Total	Mother-ship
1925	3,279	711	3,990				3,990	6,590	147				6,737				
1926	4,437	683	5,121				5,121	5,907	202				6,109				
1927	3,173	599	3,772				3,772	8,148	150				8,298				
1928	1,743	568	2,312				2,312	15,094	78				15,172				
1929	3,134	805	3,939				3,939	15,746	149				15,895				
1930	3,349	927	4,276				4,276	16,021	154				16,175				
1931	2,806	1,116	3,922				3,922	10,996	125				11,121				
1932	1,570	763	2,333				2,333	12,194	112				12,306				
1933	1,895	591	2,485				2,485	14,183	187				14,370				
1934	3,999	1,041	5,040				5,040	22,693	511				23,204				
1935	4,206	1,204	5,410				5,410	20,589	753				21,342				
1936	2,640	968	3,607				3,607	40,327	536				40,863				
1937	2,696	802	3,498				3,498	28,373	634				29,007				
1938	4,153	632	4,786				4,786	31,258	1,243				32,500				
1939	3,604	669	4,273				4,273	24,603	1,143				25,746				
1940	2,666	522	3,188				3,188	25,077	944				26,021				
1941	2,137	638	2,776				2,776	22,132	792				22,923				
1942	2,096	550	2,646				2,646	17,654	552				18,206				
1943	1,923	708	2,631				2,631	6,973	269				7,242				
1944	1,846	254	2,100				2,100	2,466	(64)				2,402				
1945	2,484	446	2,930				2,930	244	294				538				
1946	1,781	755	2,536				2,536		309				309				
1947	2,365	371	2,736				2,736		48				48				
1948	2,969	305	3,274				3,274		15				15				
1949	3,394	122	3,516				3,516		429				429				
1950	4,657	203	4,860				4,860		1,090				1,090				
1951	3,099	134	3,233				3,233		3,167				3,167				
1952			2,614	10	<0.5	12	2,636			616	8	680	1,303				
1953			2,534	45	<0.5	25	2,604			2,662	2	1,466	4,130				
1954			3,815	157	-	45	4,017			9,247	-	2,641	11,888				
1955			2,711	310	<0.5	67	3,088	3.405		18,263	28	3,922	25,618				
1956			2,022	287	3	35	2,346	3,224		16,734	149	2,000	22,107	127		127	19
1957			3,597	154	14	64	3,829	2,662		9,052	810	3,744	16,268	35		35	5
1958			3,023	287	22	153	4,285	1,622		16,878	1,315	9,002	28,817	0		0	0
1959			2,334	215	25	151	2,725			12,622	1,455	8,894	22,972	19		19	3
1960			2,273	199	28	164	2,664			10,144	1,446	8,520	20,109	151		151	23
1961			3,850	132	28	131	4,141			5,935	1,288	5,973	13,197	53		53	8
1962			4,181	155	35	185	4,556			6,182	1,401	7,392	14,976	30		30	5
1963			4,902	162	50	208	5,322			5,643	1,760	7,329	14,733	46		46	7
1964			5,260	271	54	280	5,866			8,240	1,684	8,676	18,601	113		113	17
1965			6,625	214	42	296	7,177			5,731	1,146	8,034	14,910	79		79	12
1966			5,552	345	76	477	6,450			8,110	1,004	11,371	21,286	93		93	14
1967			6,393	312	56	506	7,267			6,443	1,163	10,572	18,178	71		71	11
1968			3,383	420	37	438	4,278			7,535	680	7,934	16,149	132	85	217	20
1969			5,674	453	17	288	6,433			7,096	278	4,571	11,944	150	49	199	22
1970			7,154	642	63	439	8,298			8,706	880	6,021	15,607	252	126	378	38
1971			10,130	753	40	472	11,395			8,964	491	5,657	15,112	218	121	339	33
1972			8,621	1,145		769	10,535			11,892		8,052	19,944	292	160	452	44
1973			11,475	763		761	12,999			6,965		6,936	13,901	112	140	252	17
1974			13,018	1,022		1,380	15,420			8,055		10,948	19,003	179	203	382	27
1975			20,066	920		1,483	22,469			6,321		10,195	16,516	110	199	309	16
1976			12,418	1,479		1,690	15,587			8,749		10,045	18,794	188	195	383	28
1977			15,237	963		1,001	17,201			4,733		5,125	9,858	261	105	366	39
1978			18,215	692		635	19,542			3,102		2,793	5,895	7	60	67	1
1979			27,983	677		591	29,251			2,557		2,224	4,781	37	46	83	6
1980			25,781	726		743	27,250			2,333		2,384	4,717	34	46	80	5
1981			33,604	674		822	35,100			1,837		2,219	4,056	24	53	77	4
1982			30,023	969		1,060	32,052			2,210		2,459	4,669	33	?	33	5

Source Column I: 1868-1886, Column I of Table 2; 1887-1951: Column VIII of Table 6. Column II: Column IV of Table 7. Column III: 1868-1951, Sum of Columns I and II; 1952-1981, Column IX of Table 8. Column IV: Column III of Table 22. Column V: Column V of Table 31. Column VI: Column VIII of Table 27. Column VII: Sum of Columns III to VI. Column VIII: Column XI of Table 16. Column IX: Column X of Table 6. Column X: Column IV of Table 22. Column XI: Column VI of Table 31. Column XII: Column XI of Table 27. Column XIII: Sum of Columns VIII to XII. Column XIV: Column VII of Table 22. Column XV: Column X of Table 27. Column XVI: Sum of Columns XIV and XV. Column XVII: Column VI of Table 22.

Table 37. Estimated landings and areas of origin of coho salmon caught by Japanese fisheries, in thousands of fish, 1925-1982.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII
	Total Catch					USSR Bound					Alaska Bound		
Year	USSR Coast	Mother-ship	Land-based Longline	Land-based Driftnet	Total	USSR Coast	Mother-ship	Land-based Longline	Land-based Driftnet	Total	Mother-ship	Land-based Driftnet	Total
1925	1,033				1,033	1,033				1,033			
1926	819				819	819				819			
1927	1,050				1,050	1,050				1,050			
1928	986				986	986				986			
1929	782				782	782				782			
1930	1,532				1,532	1,532				1,532			
1931	691				691	691				691			
1932	517				517	517				517			
1933	399				399	399				399			
1934	971				971	971				971			
1935	1,665				1,665	1,665				1,665			
1936	4,851				4,851	4,851				4,851			
1937	3,158				3,158	3,158				3,158			
1938	2,129				2,129	2,129				2,129			
1939	1,512				1,512	1,512				1,512			
1940	855				855	855				855			
1941	650				650	650				650			
1942	1,012				1,012	1,012				1,012			
1943	416				416	416				416			
1944	176				176	176				176			
1945	43				43	43				43			
1946													
1947													
1948													
1949													
1950													
1951													
1952		24		129	153		24		97	121		32	32
1953		340		278	618		340		209	549		70	70
1954		1,398		500	1,898		1,398		375	1,773		125	125
1955	392	3,184		744	4,320	392	3,184		558	4,134		186	186
1956	117	3,758	1	394	4,270	117	3,751	1	296	4,165	7	99	106
1957	102	340	9	710	1,161	102	340	9	533	984		178	178
1958	51	3,342	15	820	4,228	51	3,342	15	615	4,023		205	205
1959		1,423	16	1,229	2,668		1,423	16	922	2,361		307	307
1960		962	113	1,404	2,480		962	113	1,053	2,129		351	351
1961		284	3	1,517	1,805		284	3	1,138	1,425		379	379
1962		1,532	5	1,289	2,826		1,532	5	967	2,504	<0.5	322	322
1963		1,895	8	1,492	3,395		1,895	8	1,119	3,022		373	373
1964		3,535	4	1,624	5,163		3,360	4	1,218	4,582	175	406	581
1965		1,177	1	1,913	3,091		1,177	1	1,434	2,612		478	478
1966		469	1	1,459	1,929		469	1	1,094	1,564		365	365
1967		226	1	1,329	1,556		226	1	997	1,224		332	332
1968		898	3	1,421	2,322		895	3	1,066	1,964	3	355	358
1969		1,306	2	3,328	4,636		1,306	2	2,496	3,804	<0.5	832	832
1970		180	1	2,259	2,440		160	1	1,694	1,855	20	565	585
1971		454	2	2,373	2,829		430	2	1,780	2,212	24	593	617
1972		615		2,424	3,039		615		1,818	2,433		606	606
1973		989		3,796	4,785		976		2,847	3,823	13	949	962
1974		1,085		3,562	4,647		936		2,672	3,608	149	891	1,040
1975		356		3,697	4,053		352		2,773	3,125	4	924	928
1976		827		2,754	3,581		794		2,066	2,860	33	689	722
1977		79		1,722	1,801		79		1,292	1,371	<0.5	431	431
1978		609		2,512	3,121		609		1,884	2,493		628	628
1979		281		1,199	1,480		281		899	1,180		300	300
1980		656		1,234	1,890		656		926	1,582		309	309
1981		615		1,290	1,905		615		968	1,583		323	323
1982		1,183		1,205	2,388		1,183		904	2,087		301	301

Sources Column 1: Column IX of Table 17. Column II: Column VII of Table 19. Column III: Column VII of Table 31. Column IV: Column I of Table 28. Column V: Sum of Columns I to IV. Column VI: Column IX of Table 17. Column VII: Column IX of Table 19. Column VIII: Column VII of Table 31. Column IX: Column III of Table 28. Column X: Sum of Columns VI to IX. Column XI: Column VIII of Table 19. Column XII: Column II of Table 28. Column XIII: Sum of Columns XI and XII.

Table 38. Estimated landings and areas of origin of chinook salmon caught by Japanese fisheries, in thousands of fish, 1911-1982.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV
	Total Catch					USSR Bound					Alaska Bound			Yukon Bound
Year	USSR Coast	Mother-ship	Land-based Longline	Land-based Driftnet	Total	USSR Coast	Mother-ship	Land-based Longline	Land-based Driftnet	Total	Mother-ship	Land-based Driftnet	Total	Mother-ship
1911	6				6	6				6				
1912	5				5	5				5				
1913	28				28	28				28				
1914	12				12	12				12				
1915	18				18	18				18				
1916	15				15	15				15				
1917	15				15	15				15				
1918	12				12	12				12				
1919	51				51	51				51				
1920	70				70	70				70				
1921	65				65	65				65				
1922	36				36	36				36				
1923	25				25	25				25				
1924	24				24	24				24				
1925	40				40	40				40				
1926	77				77	77				77				
1927	98				98	98				98				
1928	69				69	69				69				
1929	83				83	83				83				
1930	115				115	115				115				
1931	80				80	80				80				
1932	78				78	78				78				
1933	37				37	37				37				
1934	72				72	72				72				
1935	124				124	124				124				
1936	118				118	118				118				
1937	156				156	156				156				
1938	120				120	120				120				
1939	67				67	67				67				
1940	79				79	79				79				
1941	80				80	80				80				
1942	47				47	47				47				
1943	5				5	5				5				
1944	0.2													

Continued ...

Table 38. Continued

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV
	Total Catch					USSR Bound					Alaska Bound			Yukon Bound
Year	USSR Coast	Mother-ship	Land-based Longline	Land-based Driftnet	Total	USSR Coast	Mother-ship	Land-based Longline	Land-based Driftnet	Total	Mother-ship	Land-based Driftnet	Total	Mother-ship
1945														
1946														
1947														
1948														
1949														
1950														
1951														
1952		1		8	9		1		3	4	0	5	5	
1953		8		17	25		8		7	15	0	10	10	
1954		74		31	105		74		12	86	0	19	19	
1955	2	74		46	122	2	74		18	94	0	28	28	
1956	1	136	1	24	162	1	80	1	10	92	52	14	66	4
1957	<0.5	31	5	44	80	<0.5	16	5	18	39	14	26	40	1
1958	1	45	8	45	99	1	40	8	18	67	5	27	32	0
1959		68	9	70	147		40	9	28	77	26	42	68	2
1960		180	20	111	311		45	20	44	109	126	66	192	9
1961		31	8	77	116		17	8	31	56	13	46	59	1
1962		122	5	125	252		92	5	50	147	28	75	103	2
1963		87	3	102	192		46	3	41	90	38	61	99	3
1964		410	13	195	618		154	13	78	245	238	117	355	18
1965		185	9	93	287		79	9	37	125	99	56	155	7
1966		208	6	112	326		96	6	45	147	104	67	172	8
1967		128	5	110	243		58	5	44	107	65	66	131	5
1968		362	9	88	459		135	9	35	179	211	53	264	16
1969		554	5	83	642		116	5	33	154	407	50	457	31
1970		437	47	101	585		91	47	40	178	322	61	382	24
1971		206	5	134	345		62	5	54	121	134	80	214	10
1972		261		107	368		91		43	134	158	64	222	12
1973		119		164	283		72		66	138	44	98	142	3
1974		361		187	548		72		75	147	269	112	381	20
1975		162		138	300		53		55	108	101	83	184	8
1976		285		201	486		114		80	194	159	121	280	12
1977		93		146	239		23		58	81	65	88	153	5
1978		105		210	315		74		84	158	29	126	155	2
1979		126		163	289		61		65	126	60	98	158	5
1980		704		170	874		324		68	392	353	102	455	27
1981		88		171	259		62		68	130	24	103	127	2
1982		107		167	274		64		67	131	40	100	140	3

Sources Column I: Column IX of Table 18. Column II: Column I of Table 25. Column III: Column VIII of Table 31. Column IV: Column IV of Table 28. Column V: Sum of Columns I to IV Column VI: Column IX of Table 18. Column VII: Column II of Table 25. Column VIII: Column VIII of Table 31. Column IX: Column VI of Table 28. Column X: Sum of Columns VI to IX. Column XI: Column V of Table 25. Column XII: Column V of Table 28. Column XIII: Sum of Columns XI and XII. Column XIV: Column IV of Table 25.

Table 39. Estimated landings and areas of origin of sockeye salmon caught by Japanese fisheries, in metric tonnes, 1909-1982.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII
	Total Catch					USSR Bound					Alaska Bound		
Year	USSR Coast	Mother-ship	Land-based Longline	Land-based Driftnet	Total	USSR Coast	Mother-ship	Land-based Longline	Land-based Driftnet	Total	Mother-ship	Land-based Driftnet	Total
1909	3,707				3,707	3,707				3,707			
1910	5,614				5,614	5,614				5,614			
1911	5,244				5,244	5,244				5,244			
1912	3,807				3,807	3,807				3,807			
1913	7,350				7,350	7,350				7,350			
1914	2,519				2,519	2,519				2,519			
1915	5,778				5,778	5,778				5,778			
1916	8,635				8,635	8,635				8,635			
1917	7,110				7,110	7,110				7,110			
1918	13,430				13,430	13,430				13,430			
1919	16,706				16,706	16,706				16,706			
1920	12,248				12,248	12,248				12,248			
1921	16,592				16,592	16,592				16,592			
1922	31,069				31,069	31,069				31,069			
1923	24,482				24,482	24,482				24,482			
1924	24,065				24,065	24,065				24,065			
1925	12,688				12,688	12,688				12,688			
1926	19,243				19,243	19,243				19,243			
1927	20,364				20,364	20,364				20,364			
1928	35,184				35,184	35,184				35,184			
1929	23,406				23,406	23,406				23,406			
1930	24,045				24,045	24,045				24,045			
1931	19,689				19,689	19,689				19,689			
1932	21,785				21,785	21,785				21,785			
1933	20,278				20,278	20,278				20,278			
1934	44,175				44,175	44,175				44,175			
1935	18,713				18,713	18,713				18,713			
1936	33,559				33,559	33,559				33,559			
1937	42,944				42,944	42,944				42,944			
1938	44,156				44,156	44,156				44,156			
1939	38,439				38,439	38,439				38,439			
1940	24,463				24,463	24,463				24,463			
1941	27,927				27,927	27,927				27,927			
1942	20,839				20,839	20,839				20,839			
1943	15,629				15,629	15,629				15,629			
1944	6,843				6,843	6,843				6,843			

Continued ....

Table 39. Continued

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII
	Total Catch					USSR Bound					Alaska Bound		
Year	USSR Coast	Mothership	Land-based Longline	Land-based Driftnet	Total	USSR Coast	Mothership	Land-based Longline	Land-based Driftnet	Total	Mothership	Land-based Driftnet	Total
1945	524				524	524				524			
1946													
1947													
1948													
1949													
1950													
1951													
1952		1,517		134	1,651		596		134	730	921		921
1953		3,821		288	4,109		3,139		288	3,427	682		682
1954		9,231		519	9,750		8,503		519	9,022	728		728
1955	683	24,953		771	26,407	683	23,355		771	24,809	1,598		1,598
1956	1,358	18,611	2	409	20,380	1,358	12,169	2	409	13,937	6,443		6,443
1957	556	42,009	8	736	43,309	556	28,331	8	736	29,631	13,678		13,678
1958	123	26,393	14	1,361	27,891	123	25,513	14	1,361	27,011	880		880
1959		18,463	14	1,275	19,752		17,148	14	1,275	18,437	1,315		1,315
1960		28,047	74	2,454	30,575		19,449	74	2,454	21,977	8,598		8,598
1961		34,901	39	1,798	36,738		18,927	39	1,798	20,764	15,974		15,974
1962		24,586	3	207	24,796		22,483	3	197	22,682	2,103	10	2,114
1963		19,071	2	31	19,104		16,950	2	29	16,982	2,121	2	2,122
1964		14,125	12	164	14,301		11,946	12	156	12,113	2,179	8	2,188
1965		24,709	3	301	25,013		11,377	3	286	11,666	13,332	15	13,347
1966		15,693	1	906	16,600		12,258	1	861	13,119	3,435	45	3,481
1967		16,693	1	3,797	20,491		14,868	1	3,607	18,476	1,825	190	2,015
1968		12,810	2	3,954	16,766		9,489	2	3,756	13,248	3,321	198	3,518
1969		11,666	2	3,833	15,501		8,218	2	3,641	11,862	3,448	192	3,639
1970		13,003	86	4,846	17,935		4,271	86	4,301	8,658	8,732	545	9,277
1971		6,435	3	4,596	11,034		3,846	3	4,079	7,928	2,589	517	3,106
1972		5,389		5,626	11,015		3,830		4,951	8,781	1,559	675	2,234
1973		4,692		4,702	9,394		3,108		4,208	7,317	1,584	494	2,077
1974		3,933		4,222	8,155		2,289		3,715	6,004	1,644	507	2,151
1975		3,721		4,012	7,733		2,240		3,214	5,454	1,481	798	2,279
1976		3,943		4,901	8,844		2,199		4,097	6,296	1,744	804	2,548
1977		2,651		1,848	4,499		1,526		1,667	3,193	1,125	181	1,306
1978		3,353		1,814	5,167		2,712		1,614	4,326	641	200	841
1979		3,934		1,072	5,006		3,074		973	4,047	860	99	959
1980		4,596		1,125	5,721		2,955		997	3,952	1,641	128	1,769
1981		3,814		1,287	5,101		2,927		1,139	4,066	887	148	1,035
1982		3,039		1,094	4,133		2,530		968	3,498	509	126	635

Sources Column I: Column X of Table 14. Column II: Column I of Table 20. Column III: Column I of Table 32. Column IV: Column I of Table 29. Column V: Sum of Columns I to IV. Column VI: Column X of Table 14. Column VII: Column III of Table 20 Column VIII: Column I of Table 32. Column IX: Column IV of Table 29. Column X: Sum of Columns VI to IX. Column XI: Column II of Table 20. Column XII: Column III of Table 29. Column XIII: Sum of Columns XI to XII.

Table 40. Estimated landings and areas of origin of pink salmon caught by Japanese fisheries, in metric tonnes, 1891-1982.

	I		II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV
	Total Catch							Japan Bound	USSR Bound						Alaska Bound
	Japan														
Year	River	Coastal*	USSR Coast	Mother-ship	Land-based Longline	Land-based Driftnet	Total	Japan Coast & Rivers	USSR Coast	Japan Coast	Mother-ship	Land-based Longline	Land-based Driftnet	Total	Mother-ship
1891	1						1	14							
1892	2						2	26							
1893	7						7	102							
1894	1	520					521	538		(16)				(16)	
1895	5	272					277	354		(77)				(77)	
1896	1	528					529	536		(8)				(8)	
1897	13	363					376	502		(126)				(126)	
1898	2	333					335	351		(16)				(16)	
1899	21	303					324	494		(170)				(170)	
1900	8	357					364	419		(54)				(54)	
1901	6	424					430	473		(42)				(42)	
1902	6	415					421	457		(36)				(36)	
1903	11	505					517	585		(68)				(68)	
1904	6	430					436	471		(35)				(35)	
1905	6	1,000					1,006	796		211				211	
1906	9	1,217	9,864				11,091	786	9,864	441				10,305	
1907	17	2,025	20,064				22,106	1,762	20,064	279				20,343	
1908	5	2,550	17,799				20,354	2,287	17,799	268				18,067	
1909	7	3,300	27,851				31,158	2,224	27,851	1,082				28,933	
1910	5	12,300	27,541				39,846	2,244	27,541	10,061				37,602	
1911	18	21,900	86,573				108,491	2,194	86,573	19,724				106,297	
1912	7	19,800	56,058				75,865	1,928	56,058	17,879				73,937	
1913	6	33,750	62,686				96,442	1,707	62,686	32,049				94,735	
1914	6	8,850	99,694				108,550	1,828	99,694	7,028				106,722	
1915	5	29,250	95,360				124,615	15,618	95,360	13,637				108,997	
1916	6	11,400	128,532				139,938	5,930	128,532	5,477				134,009	
1917	3	22,350	135,118				157,471	8,264	135,118	14,088				149,206	
1918	2	11,700	70,223				81,925	5,835	70,223	5,867				76,090	
1919	2	18,150	86,445				104,597	3,875	86,445	14,276				100,721	
1920	4	10,200	102,955				113,159	3,405	102,955	6,799				109,754	
1921	32	15,750	119,091				134,873	8,158	119,091	7,624				126,715	
1922	22	8,100	125,677				133,799	2,123	125,677	5,998				131,675	
1923	21	12,600	46,043				58,664	2,036	46,043	10,585				56,628	
1924	39	10,650	155,408				166,097	2,123	155,408	8,567				163,975	
1925	19	12,600	32,100				44,719	1,881	32,100	10,738				42,838	
1926	83	17,250	167,025				184,358	2,805	167,025	14,529				181,554	
1927	42	12,900	32,608				45,550	2,143	32,608	10,799				43,407	
1928	95	12,450	147,198				159,743	2,588	147,198	9,957				157,155	
1929	88	36,600	22,854				59,542	2,692	22,854	33,996				56,850	
1930	55	18,084	89,986				108,125	2,203	89,986	15,936				105,922	
1931	192	1,800	30,386				32,378	3,013	30,386	(1,021)				29,365	
1932	55	3,321	84,585				87,961	1,970	84,585	1,407				85,992	
1933	162	17,235	46,502				63,899	2,268	46,502	15,129				61,631	
1934	268	31,710	122,146				154,124	3,830	122,146	28,148				150,294	
1935	156	53,925	116,886				170,967	5,161	116,886	48,921				165,807	
1936	119	56,586	53,502				110,207	3,454	53,502	53,252				106,754	
1937	65	90,417	103,517				193,999	2,034	103,517	88,448				191,965	
1938	58	80,538	74,438				155,034	1,660	74,438	78,936				153,374	
1939	48	146,571	119,045				265,664	1,932	119,045	144,687				263,732	

Continued ...

Table 10. Continued

		I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV
	Total Catch							Japan Bound	USSR Bound						Alaska Bound
	Japan														
Year	River	Coastal*	USSR Coast	Mother-ship	Land-based Longline	Land-based Driftnet	Total	Japan Coast & Rivers	USSR Coast	Japan Coast	Mother-ship	Land-based Longline	Land-based Driftnet	Total	Mother-ship
1940	82	28,431	50,217				78,730	1,871	50,217	26,642				76,859	
1941	52	77,769	96,864				174,685	2,388	96,864	75,432				172,296	
1942	64	54,213	50,515				104,792	2,571	50,515	51,707				102,222	
1943	106	73,851	84,261				158,218	1.395	84,261	72,562				156,823	
1944	62	13,629	26,177				39,868	1,456	26,177	12,235				38,412	
1945	146	7,209					7,355	1,383		5,972				5,972	
1946	49	1,650					1,699	920		779				779	
1947	166	4,500					4,666	1,655		3,011				3,011	
1948	66	1,050					1,116	718		398				398	
1949	111	9,150					9,261	961		8,299				8,299	
1950	155	4,650					4,805	1,460		3,345				3.345	
1951	334	7,800					8,134	2,598		5,536				5,536	
1952	349	7,454		969	668	16,280	25,720	2,004		5,799	969	668	16,280	23,716	
1953	315	4,526		3,782	439	12,530	21,592	1,809		3,032	3.782	439	12,530	19,783	
1954	240	5,802		7,161	883	11,215	25,301	1,354		4,688	7,161	883	11,215	23,947	
1955	626	8,672	11,009	23,990	819	27,323	72,439	3,709	11,009	5,589	23,990	819	27,323	68,729	
1956	323	15,592	6,279	16,746	5,411	26,271	70,623	1,808	6,279	14,107	16,724	5,411	26.271	68,792	22
1957	506	13,619	7,514	27,167	10,064	37,031	95,901	2,659	7,514	11.466	27,167	10,064	37.031	93,242	
1958	261	25,887	3,234	18,858	7,139	36,256	91,635	1,339	3,234	24,809	18,858	7,139	36,256	90,296	
1959	260	18,239		25,252	9,246	48,302	101,299	1,328		17,171	25,252	9,246	48,302	99,971	
1960	206	24,513		2,459	5,534	28,080	60,792	1,057		23,662	2,422	5,534	28,080	59,698	37
1961	212	10,293		4,908	11,155	49,316	75,884	1,154		9,351	4,905	11,155	49,316	74,727	3
1962	240	11,292		1.631	10,157	17,106	40,426	1,521		10,011	1,595	10,157	17,106	38,870	36
1963	177	13,007		9,591	16,606	35,818	75,199	1,144		12,040	9,591	16,606	35,818	74,055	
1964	219	7,615		3,048	7,290	19,972	38.144	1,450		6,384	3,028	7,290	19,972	36,674	20
1965	227	13,350		6,081	14,902	32,319	66,879	1,617		11,960	6,078	14,902	32,319	65,259	3
1966	198	13,688		3,276	10,843	18,677	46,682	1,415		12,471	3,246	10,843	18,677	45,238	30
1967	234	20,689		10,630	14,556	25,517	71,626	1,763		19,160	10,625	14,556	25,517	69,858	5
1968	201	16,336		4,885	6,308	19,937	47,667	1,754		14,783	4,850	6,308	19,937	45,878	35
1969	174	23,095		9,270	14,694	27,293	74,526	1,599		21,670	9,266	14,694	27,293	72,923	4
1970	170	12,779		2,087	6,950	16,647	38,633	1,866		11,083	2,014	6,950	16,647	36,694	73
1971	215	17,557		10,242	12,358	20,253	60,625	2,632		15,140	10,236	12,358	20,253	57,987	6
1972	156	10,047		4,307		21,199	35,709	2,150		8,053	4,274		21,199	33,526	33
1973	444	14,365		14,474		25,535	54,818	5,712		9,097	14,469		25,535	49,101	5
1974	286	10,849		9,024		15,462	35,621	3,565		7,570	8,730		15,462	31,762	294
1975	356	14,558		16,367		18,551	49,832	4,120		10,794	16,363		18,551	45,707	4
1976	258	12,119		8,058		13,044	33,479	3,056		9,321	7,808		13,044	30,173	250
1977	114	6,650		10,191		17,978	34,933	1,342		5,422	10,185		17,978	33,585	6
1978	78	5,952		2,232		8,968	17,230	899		5,131	2,232		8,968	16,331	
1979	305	5,278		4,192		14,326	24,101	3,629		1,954	4,192		14,326	20,472	
1980	96	5,723		702		13,870	20,391	1,081		4,738	702		13,870	19,310	
1981	360	6,436		4,930		13,795	25,521	4,155		2,641	4,930		13,795	21,366	
1982	239	5,272		2,214		13,099	20,824	2,758		2,753	2,214		13,099	18,066	

Sources Column I: Column I of Table 12. Column II: 1894-1951, Column VI of Table 13; 1952-1983, Column VII of Table 12. Column III: Column VIII of Table 15. Column IV: Column IV of Table 20. Column V: Column II of Table 32. Column VI: Column V of Table 29. Column VII: Sum of Columns I to VI. Column VIII: Column X of Table 12. Column IX: Column VIII of Table 15. Column X: Column X of Table 12. Column XI: Column VI of Table 20. Column XII: Column II of Table 32. Column XIII: Column V of Table 29. Column XIV: Sum of Columns VIII to XII. Column XV: Column V of Table 20.

* See text.

Table 41. Estimated total landings of chum salmon by Japanese fisheries, in metric tonnes, 1868-1982.

	I	II	III	IV	V	VI	VII	VIII	IX	X
		Coastal								
Year	River	Hokkaido	Honshu	Total	Total Japan Islands	USSR Coast	Mother-ship	Land-based Longline	Land-based Driftnet	Total
1868	3,632				3,632					3,632
1869	2,976				2,976					2,976
1870	3,296				3,296					3,296
1871	4,656				4,656					4,656
1872	3,296				3,296					3,296
1873	2,880				2,880					2,880
1874	394				394					394
1875	2,912				2,912					2,912
1876	2,768				2,768					2,768
1877	2,320				2,320					2,320
1878	3,056				3,056					3,056
1879	4,304				4,304					4,304
1880	3,712				3,712					3,712
1881	2,768				2,768					2,768
1882	4,736				4,736					4,736
1883	3,200				3,200					3,200
1884	1,862				1,862					1,862
1885	1,610				1,610					1,610
1886	2,554				2,554					2,554
1887	2,064	23,098		23,098	25,162					25,162
1888	2,326	21,953		21,953	24,279					24,279
1889	1,834	32,520		32,520	34,354					34,354
1890	1,539	17,802		17,802	19,341					19,341
1891	1,510	15,708		15,708	17,218					17,218
1892	1,856	20,281		20,281	22,137					22,137
1893	947	22,181		22,181	23,128					23,128
1894	650	11,091	4,247	15,337	15,987					15,987
1895	755	11,209	2,127	13,336	14,092					14,092
1896	922	9,898	2,314	12,212	13,133					13,133
1897	1,005	14,164	2,693	16,857	17,862					17,862
1898	1,629	12,102	1,970	14,072	15,700					15,700
1899	960	7,359	3,621	10,980	11,940					11,940
1900	1,270	8,837	2,493	11,330	12,601					12,601
1901	845	6,502	4,843	11,344	12,189					12,189
1902	880	5,472	2,575	8,047	8,927					8,927
1903	1,296	7,754	2,436	10,190	11,486					11,486
1904	595	5,685	1,598	7,282	7,878					7,878
1905	1,309	6,902	2,066	8,969	10,277					10,277
1906	646	7,284	3,209	10,493	11,140	1,004				12,144
1907	819	7,049	3,082	10,131	10,951	801				11,752
1908	2,842	4,955	2,550	7,505	10,347	11,155				21,502
1909	582	3,218	1,968	5,186	5,769	18,586				24,354
1910	986	5,913	3,311	9,224	10,210	44,071				54,281
1911	1,898	8,846	5,532	14,378	16,276	30,969				47,245
1912	2,474	5,891	4,113	10,004	12,477	26,250				38,727
1913	931	5,434	2,281	7,716	8,647	43,230				51,877
1914	1,574	7,985	1,985	9,970	11,544	39,666				51,210
1915	1,274	8,189	7,422	15,611	16,885	20,611				37,496
1916	573	4,783	2,471	7,254	7,827	15,068				22,895
1917	1,114	7,093	2,712	9,805	10,919	25,523				36,442
1918	1,085	8,254	2,916	11,171	12,255	36,611				48,866
1919	1,392	13,163	2,885	16,048	17,440	47,008				64,448

Continued ...

Table 41. Continued

	I	II	III	IV	V	VI	VII	VIII	IX	X
		Coastal								
Year	River	Hokkaido	Honshu	Total	Total Japan Islands	USSR Coast	Mother-ship	Land-based Longline	Land-based Driftnet	Total
1920	1,283	8,020	2,868	10,888	12,171	41,563				53,734
1921	851	7,660	2,364	10,024	10,875	38,831				49,706
1922	1,514	7,531	2,172	9,704	11,217	38,161				49,378
1923	2,426	13,282	2,396	15,678	18,103	34,224				52,327
1924	912	6,070	1,409	7,479	8,391	19,614				28,005
1925	1,546	9,212	2,275	11,487	13,033	23,770				36,803
1926	1,939	12,624	2,186	14,810	16,750	21,255				38,005
1927	1,024	9,400	1,916	11,316	12,340	29,377				41,717
1928	845	4,874	1,819	6,693	7,538	54,489				62,026
1929	963	9,334	2,576	11,911	12,874	56,865				69,739
1930	1,331	9,663	2,968	12,631	13,962	57,801				71,763
1931	1,370	7,835	3,573	11,408	12,777	39,673				52,450
1932	886	4,339	2,442	6,782	7,668	44,043				51,711
1933	1,210	5,191	1,890	7,082	8,291	48,220				56,512
1934	2,749	10,970	3,330	14,300	17,049	75,054				92,104
1935	1,696	13,123	3,854	16,977	18,673	64,542				83,214
1936	1,584	7,831	3,096	10,927	12,511	117,765				130,276
1937	1,834	7,938	2,566	10,504	12,337	77,223				89,561
1938	1,974	13,560	2,024	15,583	17,558	84,347				101,905
1939	2,582	11,014	2,140	13,154	15,737	67,158				82,895
1940	2,115	8,121	1,670	9,790	11,905	71,711				83,617
1941	2,134	6,134	2,043	8,177	10,311	64,184				74,495
1942	2,358	5,345	1,760	7,105	9,464	43,198				52,661
1943	2,346	4,294	2,267	6,561	8,906	17,722				26,628
1944	2,026	3,766	814	4,580	6,606	5,333				11,939
1945	2,029	6,451	1,427	7,877	9,906	441				10,347
1946	1,453	4,804	2,417	7,221	8,674					8,674
1947	1,155	6,499	1,186	7,686	8,841					8,841
1948	1,306	8,222	977	9,200	10,505					10,505
1949	1,542	10,093	390	10,482	12,025					12,025
1950	1,565	15,305	651	15,956	17,521					17,521
1951	941	14,693	429	15,122	16,063					16,063
1952	1,760			6,436	8,196		1,244	15	1,303	10,758
1953	992			6,934	7,926		6,335	4	2,811	17,076
1954	2,198			9,754	11,952		22,005	*	5,062	39,019
1955	1,556			6,938	8,494	6,163	37,622	55	7,519	59,853
1956	979			5,352	6,331	5,835	33,460	300	3,987	49,913
1957	1,976			9,290	11,266	4,818	16,908	1,631	7,178	41,801
1958	2,107			9,868	11,975	2,936	32,982	2,651	19,591	70,135
1959	1,735			5,586	7,321		23,787	2,770	19,366	53,244
1960	1,465			5,660	7,125		20,584	3,278	19,070	50,057
1961	1,917			10,137	12,054		13,013	2,723	13,118	40,908
1962	2,234			11,967	14,201		13,547	2,838	13,737	44,323
1963	1,773			13,136	14,909		12,137	3,546	15,467	46,059
1964	2,432			13,503	15,935		17,896	3,184	16,050	53,065
1965	3,321			16,718	20,039		11,588	2,292	15,218	49,137
1966	2,018			14,779	16,797		18,287	3,798	20,782	59,664
1967	2,797			16,556	19,353		14,244	2,370	18,555	54,522
1968	1,243			8,935	10,178		16,919	1,423	15,332	43,852
1969	1,833			15,075	16,908		15,591	622	9,075	42,196
1970	1,750			19,821	21,571		19,889	1,825	12,980	56,265
1971	2,379			28,283	30,662		19,059	1,009	11,675	62,405
1972	1,855			24,171	26,026		23,608		16,759	66,393
1973	2,564			32,099	34,663		14,018		14,482	63,163
1974	2,662			40,068	42,730		17,208		20,275	80,213
1975	6,603			59,211	65,814		12,738		20,999	99,551
1976	3,637			36,815	40,452		17,898		20,067	78,417
1977	3,521			46,828	50,349		10,337		11,223	71,909
1978	3,970			55,849	59,819		8,067		6,176	74,062
1979	6,135			84,521	90,656		6,327		4,951	101,934
1980	9,207			75,342	84,549		6,685		5,562	96,796
1981	8,440			101,844	110,284		5,237		5,320	120,841
1982	9,106			89,545	98,651		6,858		6,291	111,800

Sources Column I: Column I of Table 2 converted at 3.2 kg/fish. Column II: Column II of Table 6.
Column III: Column IV of Table 7 converted at 3.2 kg/fish. Column V: Column II plus Column III.
Column V: Column I plus Column IV. Column VI: Column XII of Table 26. Column VII: Column I of Table 23.
Column VIII: Column II of Table 32. Column IX: Column VI of Table 29.

Table 42. Partitioning of Japanese chum salmon catches according to country of origin, in metric tonnes, 1868-1982.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV
	Japan Bound					USSR Bound						Alaska Bound			Yukon Bound
Year	Japan Coast & Rivers	Mother-ship	Land-based Longline	Land-based Driftnet	Total	USSR Coast	Japan Coast	Mother-ship	Land-based Longline	Land-based Driftnet	Total	Mother-ship	Land-based Driftnet	Total	Mother-ship
1868	3,632				3,632										
1869	2,976				2,976										
1870	3,296				3,296										
1871	4,656				4,656										
1872	3,296				3,296										
1873	2,880				2,880										
1874	394				394										
1875	2,912				2,912										
1876	2,768				2,768										
1877	2,320				2,320										
1878	3,056				3,056										
1879	4,304				4,304										
1880	3,712				3,712										
1881	2,768				2,768										
1882	4,736				4,736										
1883	3,200				3,200										
1884	1,862				1,862										
1885	1,610				1,610										
1886	2,554				2,554										
1887	24,496				24,496		666				666				
1888	23,646				23,646		633				633				
1889	33,416				33,416		938				938				
1890	18,828				18,828		513				513				
1891	16,765				16,765		453				453				
1892	21,552				21,552		585				585				
1893	22,489				22,489		640				640				
1894	15,667				15,667		320				320				
1895	13,768				13,768		323				323				
1896	12,848				12,848		285				285				
1897	17,454				17,454		408				408				
1898	15,351				15,351		349				349				
1899	11,728				11,728		212				212				
1900	12,346				12,346		255				255				
1901	12,002				12,002		187				187				
1902	8,769				8,769		158				158				
1903	11,262				11,262		224				224				
1904	7,714				7,714		164				164				
1905	10,078				10,078		199				199				
1906	10,930				10,930	1,004	210				1,214				
1907	10,747				10,747	801	203				1,004				
1908	10,204				10,204	11,155	143				11,298				
1909	5,676				5,676	18,586	93				18,679				
1910	10,040				10,040	44,071	171				44,241				
1911	16,021				16,021	30,969	255				31,224				
1912	12,308				12,308	26,250	170				26,420				
1913	8,490				8,490	43,230	157				43,387				
1914	11,314				11,314	39,666	230				39,896				
1915	16,649				16,649	20,611	236				20,848				
1916	7,689				7,689	15,068	138				15,206				
1917	10,715				10,715	25,523	205				25,727				
1918	12,017				12,017	36,611	238				36,849				
1919	17,060				17,060	47,008	380				47,387				
1920	11,940				11,940	41,563	231				41,794				
1921	10,654				10,654	38,831	221				39,052				
1922	11,000				11,000	38,161	217				38,378				
1923	17,720				17,720	34,224	383				34,607				
1924	8,216				8,216	19,614	175				19,789				
1925	12,767				12,767	23,770	266				24,036				
1926	16,386				16,386	21,255	364				21,619				
1927	12,069				12,069	29,377	271				29,648				
1928	7,397				7,397	54,489	141				54,629				
1929	12,605				12,605	56,865	269				57,134				

Continued ...

Table 42. Continued

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV
	Japan Bound					USSR Bound						Alaska Bound			Yukon Bound
Year	Japan Coast & Rivers	Mother-ship	Land-based Longline	Land-based Driftnet	Total	USSR Coast	Japan Coast	Mother-ship	Land-based Longline	Land-based Driftnet	Total	Mother-ship	Land-based Driftnet	Total	Mother-ship
1930	13,683				13,683	57,801	279				58,079				
1931	12,551				12,551	39,673	226				39,899				
1932	7,465				7,465	44,043	203				44,246				
1933	7,953				7,953	48,220	338				48,559				
1934	16,126				16,126	75,054	923				75,977				
1935	17,314				17,314	64,542	1,359				65,901				
1936	11,543				11,543	117,765	968				118,733				
1937	11,193				11,193	77,223	1,145				78,368				
1938	15,315				15,315	84,347	2,243				86,590				
1939	13,674				13,674	67,158	2,063				69,221				
1940	10,202				10,202	71,711	1,704				73,415				
1941	8,882				8,882	64,184	1,429				65,613				
1942	8,467				8,467	43,198	996				44,194				
1943	8,421				8,421	17,722	486				18,208				
1944	6,721				6,721	5,333	(116)				5,217				
1945	9,375				9,375	441	531				972				
1946	8,116				8,116		558				558				
1947	8,754				8,754		87				87				
1948	10,478				10,478		27				27				
1949	11,250				11,250		774				774				
1950	15,553				15,553		1,968				1,968				
1951	10,346				10,346		5,717				5,717				
1952	8,196	21	<0.5	22	8,239			1,223	15	1,281	2,519				
1953	7,926	106	<0.5	47	8,079			6,229	4	2,764	8,997				
1954	11,952	367	<0.5	85	12,404			21,638	0	4,977	26,615				
1955	8,494	628	1	126	9,249	6,163		36,994	54	7,393	50,604				
1956	6,331	559	5	67	6,961	5,835		32,617	295	3,920	42,667	248		248	37
1957	11,266	282	27	120	11,695	4,818		16,552	1,604	7,058	30,033	64		64	10
1958	11,975	551	44	327	12,897	2,936		32,431	2,607	19,264	57,238				
1959	7,321	397	46	323	8,088			23,349	2,724	19,043	45,115	35		35	5
1960	7,125	390	62	361	7,938			19,854	3,216	18,709	41,778	296		296	44
1961	12,054	279	58	282	12,674			12,604	2,665	12,836	28,105	113		113	17
1962	14,201	330	69	335	14,935			13,143	2,769	13,402	29,314	65		65	10
1963	14,909	335	98	427	15,769			11,692	3,448	15,040	30,180	96		96	14
1964	15,935	560	100	503	17,098			17,066	3,084	15,547	35,698	234		234	35
1965	20,039	412	81	540	21,072			11,002	2,211	14,678	27,890	152		152	23
1966	16,797	736	153	837	18,523			17,322	3,645	19,945	40,912	199		199	30
1967	19,353	651	108	847	20,959			13,423	2,262	17,708	33,392	149		149	22
1968	10,178	876	74	794	11,922			15,726	1,349	14,385	31,460	276	153	429	41
1969	16,908	916	37	533	18,393			14,328	585	8,451	23,365	302	91	393	45
1970	21,571	1,325	122	864	23,882			17,966	1,703	11,867	31,536	521	249	769	78
1971	30,662	1,439	76	882	33,059			17,140	933	10,567	28,640	418	226	643	62
1972	26,026	2,022		1,435	29,483			20,993		15,025	36,018	516	299	815	77
1973	34,663	1,361		1,406	37,431			12,426		12,817	25,243	200	259	459	30
1974	42,730	1,895		2,233	46,858			14,931		17,714	32,645	332	328	660	50
1975	65,814	1,591		2,623	70,027			10,929		18,025	28,954	190	352	541	28
1976	40,452	2,535		2,842	45,829			14,993		16,896	31,889	322	329	651	48
1977	50,349	1,660		1,802	53,812			8,160		9,194	17,353	450	227	677	67
1978	59,819	1,469		1,125	62,413			6,581		4,948	11,529	15	103	118	2
1979	90,656	1,307		1,023	92,985			4,937		3,851	8,788	72	78	150	11
1980	84,549	1,566		1,303	87,417			5,035		4,178	9,214	73	81	154	11
1981	110,284	1,391		1,413	113,088			3,788		3,816	7,604	50	91	141	8
1982	98,651	2,065		1,895	102,611			4,712		4,396	9,108	70	-		11

Sources Column I: 1868-1886, Column I of Table 2 (converted at 3.2 kg/fish); 1887-1951, Sum of Columns IX of Table 6 and Column IV of Table 7 (converted at 3.2 kg/fish); 1952-1982, Column X of Table 8.
Column II: Column III of Table 23. Column III Column V of Table 32. Column IV: Column VIII of Table 29.
Column V: Sum of Columns I to IV. Column VI: Column XII of Table 16. Column VII: Column XI of Table VI.
Column VIII: Column IV of Table 23. Column IX: Column VI of Table 32. Column X: Column XI of Table 29.
Column XI: Sum of Columns VI to X. Column XII: Column VII of Table 23. Column XIII: Column 8 of Table 29.
Column XIV: Sum of Columns XII and XIII. Column XV: Column XV of Table 23.

Table 43. Estimated landings and areas of origin of coho salmon caught by Japanese fisheries, in metric tonnes, 1925-1982.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII
	Total Catch					USSR Bound					Alaska Bound		
Year	USSR Coast	Mother-ship	Land-based Longline	Land-based Driftnet	Total	USSR Coast	Mother-ship	Land-based Longline	Land-based Driftnet	Total	Mother-ship	Land-based Driftnet	Total
1925	3,460				3,460	3,460				3,460			
1926	2,743				2,743	2,743				2,743			
1927	3,516				3,516	3,516				3,516			
1928	3,302				3,302	3,302				3,302			
1929	2,619				2,619	2,619				2,619			
1930	5,132				5,132	5,132				5,132			
1931	2,315				2,315	2,315				2,315			
1932	1,732				1,732	1,732				1,732			
1933	1,270				1,270	1,270				1,270			
1934	2,842				2,842	2,842				2,842			
1935	4,596				4,596	4,596				4,596			
1936	13,480				13,480	13,480				13,480			
1937	8,571				8,571	8,571				8,571			
1938	5,613				5,613	5,613				5,613			
1939	4,119				4,119	4,119				4,119			
1940	2,524				2,524	2,524				2,524			
1941	1,818				1,818	1,818				1,818			
1942	2,803				2,803	2,803				2,803			
1943	948				948	948				948			
1944	395				395	395				395			
1945	94				94	94				94			
1946													
1947													
1948													
1949													
1950													
1951													
1952		51		309	360		51		232	283		77	77
1953		713		665	1,378		713		499	1,212		166	166
1954		2,937		1,198	4,135		2,937		899	3,836		300	300
1955	855	8,097	1	1,780	10,733	855	8,097	1	1,335	10,288		445	445
1956	255	8,757	3	944	9,959	255	8,740	3	708	9,706	16	236	252
1957	197	738	19	1,699	2,653	197	738	19	1,274	2,228		425	425
1958	137	9,067	30	1,962	11,196	137	9,067	30	1,472	10,705		491	491
1959		3,215	32	2,942	6,189		3,215	32	2,207	5,454		736	736
1960		2,389	228	3,362	5,979		2,389	228	2,522	5,139		841	841
1961		647	7	3,632	4,286		647	7	2,724	3,378		908	908
1962		4,395	12	3,961	8,368		4,395	12	2,971	7,378		990	990
1963		5,226	25	4,224	9,475		5,226	25	3,168	8,419		1,056	1,056
1964		8,250	13	4,252	12,515		7,842	13	3,189	11,044	408	1,063	1,471
1965		2,580	1	4,615	7,196		2,580	1	3,461	6,042		1,154	1,154
1966		1,601	2	3,620	5,223		1,601	2	2,715	4,318		905	905
1967		605	1	3,240	3,846		605	1	2,430	3,036		810	810
1968		2,111	7	3,432	5,550		2,104	7	2,574	4,685	7	858	865
1969		2,566	3	6,988	9,557		2,566	3	5,241	7,810		1,747	1,747
1970		435	2	4,935	5,372		387	2	3,701	4,090	48	1,234	1,282
1971		1,069	3	5,751	6,823		1,012	3	4,313	5,329	57	1,438	1,494
1972		1,333		6,120	7,453		1,333		4,590	5,923		1,530	1,530
1973		2,067		8,567	10,634		2,040		6,425	8,465	27	2,142	2,169
1974		2,560		7,156	9,716		2,208		5,367	7,575	352	1,789	2,141
1975		737		7,424	8,161		729		5,568	6,297	8	1,856	1,864
1976		1,842		5,849	7,691		1,768		4,387	6,155	74	1,462	1,536
1977		170		3,582	3,752		170		2,687	2,857		896	896
1978		1,443		4,320	5,763		1,443		3,240	4,683		1,080	1,080
1979		640		2,067	2,707		640		1,550	2,190		517	517
1980		1,545		2,159	3,704		1,545		1,619	3,164		540	540
1981		1,186		2,089	3,275		1,186		1,567	2,753		522	522
1982		2,957		2,065	5,022		2,957		1,549	4,506		516	516

Sources Column I: Column X of Table 17. Column II: Column VII of Table 20.
Column III: Column VII of Table 32. Column IV: Column I of Table 30.
Column V: Sum of Columns I to IV. Column VI: Column X of Table 17.
Column VII: Column IX of Table 20. Column VIII: Column VII of Table 32.
Column IX: Column III of Table 30. Column X: Sum of Columns VI to IX.
Column XI: Column VIII of Table 20. Column XII: Column II of Table 30.
Column XIII: Sum of Columns XI and XII.

Table 44. Estimated landings and areas of origin of chinook salmon caught by Japanese fisheries, in metric tonnes, 1911-1982.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV
	Total Catch					USSR Bound					Alaska Bound			Yukon Bound
Year	USSR Coast	Mother-ship	Land-based Longline	Land-based Driftnet	Total	USSR Coast	Mother-ship	Land-based Longline	Land-based Driftnet	Total	Mother-ship	Land-based Driftnet	Total	Mother-ship
1911	59				59	59				59				
1912	50				50	50				50				
1913	277				277	277				277				
1914	116				116	116				116				
1915	173				173	173				173				
1916	147				147	147				147				
1917	147				147	147				147				
1918	118				118	118				118				
1919	498				498	498				498				
1920	691				691	691				691				
1921	635				635	635				635				
1922	352				352	352				352				
1923	244				244	244				244				
1924	233				233	233				233				
1925	389				389	389				389				
1926	757				757	757				757				
1927	966				966	966				966				
1928	675				675	675				675				
1929	811				811	811				811				
1930	1,130				1,130	1,130				1,130				
1931	782				782	782				782				
1932	763				763	763				763				
1933	360				360	360				360				
1934	707				707	707				707				
1935	1,096				1,096	1,096				1,096				
1936	893				893	893				893				
1937	1,323				1,323	1,323				1,323				
1938	1,007				1,007	1,007				1,007				
1939	607				607	607				607				
1940	750				750	750				750				
1941	716				716	716				716				
1942	364				364	364				364				
1943	17				17	17				17				
1944	1				1	1				1				
1945	<0.1				<0.1	<0.1				<0.1				
1946														
1947														
1948														
1949														
1950														
1951														

Continued ...

Table 44. Continued

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV
	Total Catch					USSR Bound					Alaska Bound			Yukon Bound
Year	USSR Coast	Mother-ship	Land-based Longline	Land-based Driftnet	Total	USSR Coast	Mother-ship	Land-based Longline	Land-based Driftnet	Total	Mother-ship	Land-based Driftnet	Total	Mother-ship
1952		5		37	42		5		15	20		22	22	
1953		31		81	112		31		32	63		49	49	
1954		276		146	422		276		58	334		88	88	
1955	6	303	1	216	526	6	303	1	86	396		130	130	
1956	3	408	5	114	530	3	240	5	46	294	156	68	225	12
1957	2	93	25	206	326	2	48	25	82	158	42	124	166	3
1958	2	155	41	209	407	2	138	41	94	264	16	125	141	1
1959		200	43	330	573		118	43	132	293	77	198	275	6
1960		500	99	519	1,118		125	99	208	432	349	311	660	26
1961		105	39	362	506		58	39	145	241	44	217	261	3
1962		441	23	563	1,027		333	23	225	581	101	338	439	8
1963		244	28	437	709		129	28	175	332	107	262	369	8
1964		1,130	54	820	2,004		424	54	328	806	656	492	1,148	49
1965		472	35	478	985		202	35	191	428	252	287	538	19
1966		614	34	569	1,217		283	34	228	545	307	341	649	23
1967		371	30	563	964		168	30	225	423	189	338	526	14
1968		918	39	443	1,400		342	39	177	559	535	266	801	40
1969		1,178	20	335	1,533		247	20	134	401	866	201	1,067	65
1970		995	182	434	1,611		207	182	174	563	733	260	993	55
1971		433	19	575	1,027		130	19	230	379	281	345	626	21
1972		568		558	1,126		198		223	421	344	335	679	26
1973		337		785	1,122		204		314	518	124	471	595	9
1974		838		936	1,774		167		374	542	624	562	1,186	47
1975		345		676	1,021		113		270	383	216	406	621	16
1976		677		881	1,558		271		352	623	378	529	906	28
1977		217		609	826		54		244	297	152	365	517	11
1978		304		720	1,024		214		288	502	83	432	515	6
1979		356		752	1,108		172		301	473	171	451	622	13
1980		1,913		508	2,421		880		203	1,084	960	305	1,265	72
1981		278		662	940		196		265	461	76	397	474	6
1982		361		619	980		216		248	464	135	371	506	10

Sources Column I: Column X of Table 18. Column II: Column I of Table 26.
Column III: Column VIII of Table 32. Column IV: Column IV of Table 30.
Column V: Sum of Columns I to IV. Column VI: Column X of Table 18.
Column VII: Column II of Table 26. Column VIII: Column VIII of Table 32.
Column IX: Column VI of Table 30. Column X: Sum of Columns VI to IX.
Column XI: Column V of Table 26. Column XII: Column V of Table 30.
Column XIII: Sum of Columns XI and XII. Column XIV: Column IV of Table 26.

Table 45. Numbers of fishing lots leased by Japanese and Soviet enterprises, 1908-1941.

	I	II	III	IV
Year	Japan	Soviet	Total	Percent Japan
1908	119	14	133	89.5
1909	183	37	220	83.2
1910	157	23	180	87.2
1911	221	30	251	88.0
1912	213	29	242	88.0
1913	216	50	266	81.2
1914	229	44	273	83.9
1915	231	34	265	87.2
1916	205	42	247	83.0
1917	218	74	292	74.7
1918	245	80	325	75.4
1919	251	83	334	75.1
1920	310	73	383	80.9
1921	224			
1922	264			
1923	254	34	288	88.2
1924	234	45	279	83.9
1925	240	41	281	85.4
1926	240	42	282	85.1
1927	239	38	277	86.3
1928	239	39	278	86.0
1929	274	146	420	65.2
1930	293	238	531	55.2
1931	288	273	561	51.3
1932	371	266	637	58.2
1933	340	326	666	51.1
1934	369	338	707	52.2
1935	378	379	757	49.9
1936	382	391	773	49.4
1937	374	393	776	48.2
1938	369	388	757	48.7
1939	339	367	706	48.0
1940	333	367	699	47.6
1941	323	372	695	46.5

Sources Taguchi (1967), Table 54, with minor corrections to percentage calculation (Column IV).

Table 46. Combined Japanese and USSR landings in coastal areas of the USSR, in numbers of fish, with estimates of the USSR catch, in numbers and weight, 1927-1936.

a) SOCKEYE

	I	II	III	IV
	Catch (numbers)			Estimated Weight (Tonnes) USSR
Year	USSR & Japan	Japan	USSR	
1927	9,779,000	6,942,960	2,836,040	8,318
1928	15,370,000	11,995,600	3,374,400	9,897
1929	11,185,000	7,975,120	3,209,880	9,415
1930	12,448,000	7,890,720	4,557,280	13,367
1931	9,678,000	6,116,960	3,561,040	10,445
1932	9,006,000	6,156,800	2,849,200	8,357
1933	5,913,000	4,267,520	1,645,480	4,826
1934	12,509,000	8,325,120	4,183,880	12,271
1935	4,757,000	3,223,715	1,533,285	4,497
1936	7,855,000	5,376,398	2,478,602	7,270

b) PINK

	I	II	III	IV	V
	Catch (numbers)			Estimated Weight (Tonnes) USSR	Percent USSR
Year	USSR & Japan	Japan	USSR		
1927	17,501,000	15,990,600	1,510,400	2,223	8.6
1928	112,801,000	74,394,800	38,406,200	57,379	34.0
1929	14,866,000	7,757,400	7,108,600	10,464	47.8
1930	100,081,000	49,872,400	50,208,600	75,012	50.2
1931	36,869,000	14,230,800	22,638,200	33,323	61.4
1932	114,845,000	52,729,000	62,116,000	92,801	54.1
1933	40,479,000	21,731,000	18,748,000	27,597	46.3
1934	137,684,000	76,214,000	61,470,000	91,836	44.6
1935	90,698,000	56,372,877	34,325,123	50,527	37.8
1936	73,026,000	32,922,801	40,103,199	59,914	54.9

c) CHUM

	I	II	III	IV
	Catch (numbers)			Estimated Weight (Tonnes) USSR
Year	USSR & Japan	Japan	USSR	
1927	14,751,000	8,725,990	6,025,010	21,780
1928	25,819,000	15,608,250	10,210,750	36,912
1929	28,762,000	16,189,600	12,572,400	45,449
1930	29,421,000	16,686,670	12,734,330	46,035
1931	32,788,000	10,718,540	22,069,460	79,781
1932	27,211,000	11,301,570	15,909,430	57,513
1933	22,308,000	10,423,070	11,884,930	42,964
1934	34,844,000	15,774,150	19,069,850	68,938
1935	28,554,000	11,737,387	16,816,613	60,792
1936	42,004,000	21,419,626	20,584,374	74,413

d) COHO

	I	II	III	IV	V
	Catch (numbers)			Estimated Weight (Tonnes) USSR	Percent USSR
Year	USSR & Japan	Japan	USSR		
1927	1,321,000				
1928	1,358,000				
1929	1,166,000				
1930	2,706,000				
1931	1,033,000				
1932	776,000	517,230	258,770	867	33.3
1933	566,000	335,860	230,140	771	40.7
1934	947,000	440,790	506,210	1,695	53.5
1935	1,096,000	662,834	433,166	1,451	39.5
1936	3,401,000	2,083,742	1,317,258	4,411	38.7

e) CHINOOOK

	I	II	III	IV	V
	Catch (numbers)			Estimated Weight (Tonnes) USSR	Percent USSR
Year	USSR & Japan	Japan	USSR		
1927	106,000	98,200	7,800	77	7.4
1928	87,000	68,560	18,440	181	21.2
1929	109,000	82,520	26,480	260	24.3
1930	179,000	111,600	67,400	663	37.7
1931	115,000	74,840	40,160	395	34.9
1932	128,000	74,800	53,200	523	41.6
1933	51,000	35,520	15,480	152	30.4
1934	92,000	68,680	23,320	229	25.3
1935	144,000	103,164	40,836	402	28.4
1936	142,000	77,013	64,987	639	45.8

Sources Column I: INPFC Bull. 39, Table 10 (sockeye), Table 12 (pink), Table 15 (chum), Table 19 (coho), and Table 20 (chinook). Column II: INPFC Bull 39 (1979), Table 24. Column III: Column II subtracted from Column I. Column IV: Conversion of Column III using factors in Table 4. Column V: Column III as a percentage of Column I.

Table 47. Combined Japanese and USSR landings in coastal areas of the USSR, in metric tonnes, with estimates of USSR catches in 1925, 1926 and 1937-1939.

a) SOCKEYE

	I	II	III	IV
	Catch (Tonnes)			Equivalent Numbers
Year	USSR & Japan	Japan	USSR	USSR
1925	15,580	12,687	2,893	906,362
1926	22,070	19,242	2,828	964,200
1937	20,890	16,684	4,206	1,434,027
1938	25,180	20,441	4,739	1,615,752
1939	19,450	14,578	4,872	1,661,098

b) PINK

	I	II	III	IV
	Catch (Tonnes)			Equivalent Numbers
Year	USSR & Japan	Japan	USSR	USSR
1925	37,110	25,236	11,874	8,066,576
1926	138,275	135,826	2,449	1,639,224
1937		87,982		
1938		66,013		
1939		94,644		

c) CHUM

	I	II	III	IV
	Catch (Tonnes)			Equivalent Numbers
Year	USSR & Japan	Japan	USSR	USSR
1925	37,930	26,430	11,500	3,181,189
1926	56,880	22,154	34,726	9,606,086
1937	83,820	39,685	44,135	12,208,852
1938	96,500	40,663	55,837	15,445,920
1939	86,650	29,429	57,221	15,828,769

d) COHO

	I	II	III	IV
	Catch (Tonnes)			Equivalent Numbers
Year	USSR & Japan	Japan	USSR	USSR
1925	4,380			
1926	3,470			
1937	6,560	3,830	2,730	815,169
1938	5,430	2,048	3,382	1,009,854
1939	3,710	1,742	1,968	587,638

Sources Column I: INPFC Bull 39, Table 9 (sockeye), Table 11 (pink), Tables 13 and 14 (chum), and Table 18 (coho). Column II: INPFC Bull 39, Table 15 (converted from numbers to weights using factors in Table 4. Column III: Column II subtracted from Column I. Column IV: Conversion of Column III using factors in Table 4.

Table 48. Estimated total catches of salmon along the USSR coast, in numbers of fish, 1927-1936.

Year	I Total Catch	II Japan Catch	III USSR Catch	IV Percent USSR Catch
1927	43,458,000	31,757,750	11,700,250	26.9
1928	155,435,000	102,067,210	53,367,790	34.3
1929	56,088,000	32,004,640	24,083,360	42.9
1930	144,835,000	74,561,390	70,273,610	48.5
1931	80,483,000	31,141,140	49,341,860	61.3
1932	151,966,000	70,779,400	81,186,600	53.4
1933	69,317,000	36,792,970	32,524,030	46.9
1934	186,076,000	100,822,740	85,253,260	45.8
1935	125,249,000	72,099,977	53,149,023	42.4
1936	126,428,000	61,879,580	64,548,420	51.1

Sources Column I: Sum of Column I totals in Table 46. Column II: Sum of Column II totals in Table 46. Column III: Sum of Column III totals in Table 46. Column IV: Column III as a percentage of Column I.

Table 49. Estimation of Japanese and USSR catches of coho salmon along the USSR coast, 1925-1931.

	I	II	III	IV	V	VI
			Estimated Catches			
	Total Catch	Estimated Percent	USSR		Japan	
Year	Tonnes	USSR	Tonnes	1000 fish	Tonnes	1000 fish
1925	4,380	21	920	275	3,460	1,033
1926	3,470	21	729	218	2,741	819
1927	4,450	21	935	279	3,516	1,050
1928	4,180	21	878	262	3,302	986
1929	3,740	30	1,122	335	2,618	782
1930	8,390	39	3,272	977	5,118	1,528
1931	3,450	39	1,346	402	2,105	628

Sources Column I: INPFC Bull. 39, Table 18. Column II: See text. Column III: Application of percentage in Column II to Column I. Column IV: Conversion of Column III at 3.349 kg/fish. (Table 4). Column V: Column III subtracted from Column I. Column VI: Conversion of Column V at 3.349 kg/fish (Table 4).

Table 50. Estimation of pink and chinook catches by USSR fisheries along the USSR coast in 1925-1926 (chinook only) and 1937-1939.

	I	II	III	IV	V
	Japanese Catch			Estimated USSR Catch	
Year	Numbers	Estimated Percent Japan	Estimated Percent USSR	Numbers	Tonnes
A. Pinks					
1937	59,770,693	52	48	55,172,947	81,215
1938	44,185,270	52	48	40,786,403	60,935
1939	64,296,359	52	48	59,350,485	87,364
B. Chinooks					
1925	39,640	95	5	2,086	21
1926	76,960	95	5	4,051	40
1937	123,394	66	34	63,567	625
1938	91,353	66	34	47,061	463
1939	57,603	66	34	29,674	292

Sources Column I: INPFC Bull. 39, Table 24. Columns II and III: See text. Column IV: Column I divided by Column II multiplied by Column III. Column V: Column IV converted using factors from Table 4.

Table 51. Commercial landings of salmon in the USSR, 1925-1982.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI
	Catch (thousands of fish)					Catch (Tonnes)					
Year	Sockeye	Pink	Chum	Coho	Chinook	Sockeye	Pink	Chum	Coho	Chinook	Total
1925	986	8,067	3,181	275	2	2,893	11,874	11,500	920	21	27,208
1926	964	1,639	9,606	218	4	2,828	2,449	34,726	729	40	40,772
1927	2,836	1,510	6,025	279	8	8,318	2,223	21,780	935	77	33,333
1928	3,374	38,406	10,211	262	18	9,897	57,379	36,912	878	181	105,247
1929	3,210	7,109	12,572	335	26	9,415	10,464	45,449	1,122	260	66,710
1930	4,557	50,209	12,734	977	67	13,367	75,102	46,035	3,272	663	138,439
1931	3,561	22,638	22,069	402	40	10,445	33,323	79,781	1,346	395	125,290
1932	2,849	62,116	15,909	259	53	8,357	92,801	57,513	867	523	160,061
1933	1,645	18,748	11,885	230	15	4,826	27,597	42,964	771	152	76,310
1934	4,184	61,470	19,070	506	23	12,271	91,836	68,938	1,695	229	174,969
1935	1,533	34,325	16,817	433	41	4,497	50,527	60,792	1,451	402	117,669
1936	2,479	40,103	20,584	1,317	65	7,270	59,914	74,413	4,411	639	146,647
1937	1,434	55,173	12,209	815	64	4,206	81,215	44,135	2,730	625	132,911
1938	1,616	40,786	15,446	1,010	47	4,739	60,935	55,837	3,382	463	125,356
1939	1,661	59,350	15,829	588	30	4,872	87,364	57,221	1,968	292	151,717
1940	1,159	33,735	15,297	836	22	3,400	50,400	55,300	2,800	220	112,120
1941	1,568	52,378	14,855	567	58	4,600	77,100	53,700	1,900	570	137,870
1942	1,943	52,945	10,982	1,433	37	5,700	79,100	39,700	4,800	360	129,660
1943	2,659	80,231	17,344	806	49	7,800	118,100	62,700	2,700	480	191,780
1944	3,205	71,017	15,353	956	17	9,400	106,100	55,500	3,200	170	174,370
1945	4,091	51,766	16,957	1,463	39	12,000	76,200	61,300	4,900	380	154,780
1946	4,501	25,636	19,004	2,896	82	13,200	38,300	68,700	9,700	810	130,710
1947	3,478	89,946	19,170	1,493	82	10,200	132,400	69,300	5,000	810	217,710
1948	2,114	34,940	17,289	1,792	132	6,200	52,200	62,500	6,000	1,300	128,200
1949	3,000	112,092	21,964	1,911	76	8,800	165,000	79,400	6,400	750	260,350
1950	3,171	24,364	17,012	687	63	9,300	36,400	61,500	2,300	620	110,120
1951	2,625	105,163	23,071	806	73	7,700	154,800	83,400	2,700	720	249,320
1952	3,137	38,755	12,172	1,374	67	9,200	57,900	44,000	4,600	660	116,360
1953	1,739	96,671	9,405	1,941	89	5,100	142,300	34,000	6,500	880	188,780
1954	1,364	30,924	14,550	2,239	66	4,000	46,200	52,600	7,500	650	110,950
1955	1,057	59,986	18,147	1,881	136	3,100	88,300	65,600	6,300	1,340	164,640
1956	1,943	48,260	21,383	1,135	112	5,700	72,100	77,300	3,800	1,100	160,000
1957	1,193	72,283	8,852	1,553	92	3,500	106,400	32,000	5,200	900	148,000
1958	341	25,703	7,663	836	71	1,000	38,400	27,700	2,800	700	70,600
1959	1,367	32,012	10,557	1,170	100	4,010	47,121	38,162	3,918	983	94,194
1960	1,367	13,145	11,978	564	71	4,010	19,639	43,302	1,890	700	69,541
1961	2,670	20,564	10,077	1,350	66	7,830	30,270	36,430	4,520	650	79,700
1962	1,426	10,780	9,242	1,298	100	4,650	16,280	33,990	4,680	960	60,560
1963	1,237	24,570	9,448	2,234	124	3,442	35,707	33,566	7,353	1,003	81,071
1964	969	10,627	6,473	333	160	2,692	14,631	25,380	1,119	1,431	45,253
1965	1,506	34,674	8,521	1,034	107	4,186	47,941	31,463	2,946	1,090	87,626
1966	1,151	14,013	7,872	902	93	3,688	20,689	27,560	3,262	1,024	56,223
1967	971	33,086	5,112	1,043	91	3,018	50,701	20,639	3,613	911	78,882
1968	836	10,083	4,446	977	83	2,249	16,253	13,697	3,162	829	36,190
1969	587	42,773	1,458	1,014	122	1,640	63,436	5,867	3,320	1,205	75,468
1970	1,612	11,117	3,091	1,625	141	4,495	16,197	12,389	4,558	1,409	39,048
1971	750	38,785	3,460	1,273	183	2,249	58,445	10,546	4,380	1,975	77,595
1972	336	13,578	1,381	511	197	952	20,819	5,113	1,943	2,178	31,005
1973	667	49,867	1,403	705	210	1,713	66,449	5,205	2,126	2,225	77,718
1974	437	23,310	1,888	1,164	172	1,103	32,277	7,058	3,937	1,781	46,156
1975	574	56,134	1,977	1,231	221	1,474	68,994	7,801	3,541	2,181	83,991
1976	399	35,976	2,770	1,062	199	1,170	53,748	10,015	3,556	1,956	70,445
1977	637	71,952	4,060	1,197	315	1,869	107,496	14,678	4,009	3,099	131,151
1978	1,153	35,752	4,611	712	300	3,382	53,413	16,669	2,384	2,948	78,796
1979	983	65,537	6,415	1,212	245	2,884	97,913	23,191	4,060	2,408	130,456
1980	1,326	51,785	4,027	742	107	3,888	77,367	14,556	2,486	1,057	99,354
1981	1,307	53,422	3,572	1,082	142	3,833	79,813	12,914	3,623	1,399	101,582
1982	1,012	28,218	2,999	1,134	136	2,967	42,157	10,840	3,798	1,342	61,104
Average, 1977-82:						3,137	76,360	15,475	3,393	2,042	100,407
Average, 1967-76:						2,006	44,732	9,833	3,414	1,665	61,650

Sources 1925-1939 - Column I and VI: 1925-1926 and 1937-1939, Column IV and III of Table 47; 1927-1936: Columns III and IV of Table 46. Column II & VII: 1925-1926, Columns III and IV of Table 47; 1927-1936, Columns III and IV of Table 46; 1937-1939, Columns IV and V of Table 50. Columns III and VIII: 1925-1926 and 1937-1939, Columns IV and III of Table 47; 1927-1936, Columns III and IV of Table 46. Columns IV and IX: 1925-1931 Columns IV and III of Table 49; 1932-1936, Columns III and IV of Table 46; 1937-1939, Columns IV and III of Table 47. Columns V and X: 1925-1926 and 1937-1939, Columns IV and V of Table 50; 1927-1936, Columns III and IV of Table 46.

1940-1975 - Columns VI to X: 1940-1975 - INPFC Bull. 39, Table 31. Columns I to V: 1940-1962, Conversion of Columns VI to X using factors from Table 4; 1962-1975 INPFC Bull. 39, Table 32.

1975-1982 - Columns VI to X: FAO Yearbooks Fish. Stat. (1976-1982). Columns I to V: Columns VI to X converted using factors in Table 4.

Table 52. Estimated production of salmon in the USSR, in thousands of fish, 1887-1982.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV
	Sockeye			Pink			Chum			Coho			Chinook		
Year	Total USSR Catch	Japanese Inter-ceptions	Total Prod-uction	Total USSR Catch	Japanese Inter-ceptions	Total Prod-uction	Total USSR Catch	Japanese Inter-ceptions	Total Prod-uction	Total USSR Catch	Japanese Inter-ceptions	Total Prod-uction	Total USSR Catch	Japanese Inter-ceptions	Total Prod-uction
1887								369	369						
1888								351	351						
1889								519	519						
1890								284	284						
1891								251	251						
1892								324	324						
1893								354	354						
1894					(11)	(11)		177	177						
1895					(51)	(51)		179	179						
1896					(5)	(5)		158	158						
1897					(84)	(84)		226	226						
1898					(11)	(11)		193	193						
1899					(113)	(113)		118	118						
1900					(36)	(36)		141	141						
1901					(28)	(28)		104	104						
1902					(24)	(24)		87	87						
1903					(45)	(45)		124	124						
1904					(24)	(24)		91	91						
1905					140	140		110	110						
1906					294	294		407	407						
1907					186	186		345	345						
1908					178	178		3,178	3,178						
1909		1,264	1,264		722	722		5,216	5,216						
1910		1,914	1,914		6,707	6,707		12,312	12,312						
1911		1,788	1,788		13,149	13,149		8,738	8,738					6	6
1912		1,298	1,298		11,919	11,919		7,387	7,387					5	5
1913		2,506	2,506		21,366	21,366		12,075	12,075					28	28
1914		859	859		4,685	4,685		11,152	11,152					12	12
1915		1,970	1,970		9,091	9,091		5,868	5,868					18	18
1916		2,944	2,944		3,651	3,651		4,260	4,260					15	15
1917		2,424	2,424		9,392	9,392		7,192	7,192					15	15
1918		4,579	4,579		3,911	3,911		10,301	10,301					12	12
1919		5,696	5,696		9,518	9,518		13,266	13,266					51	51
1920		4,176	4,176		4,533	4,533		11,658	11,658					70	70
1921		5,657	5,657		5,083	5,083		10,886	10,886					65	65
1922		10,593	10,593		3,999	3,999		10,697	10,697					36	36
1923		8,347	8,347		7,056	7,056		9,709	9,709					25	25
1924		8,205	8,205		5,711	5,711		5,539	5,539					24	24
1925	986	4,326	5,312	8,067	7,159	15,225	3,181	6,737	9,918	275	1,033	1,308	2	40	42
1926	964	6,561	7,525	1,639	9,686	11,325	9,606	6,109	15,715	218	819	1,037	4	77	81
1927	2,836	6,943	9,779	1,510	7,199	8,710	6,025	8,298	14,323	279	1,050	1,329	8	98	106
1928	3,374	11,996	15,370	38,406	6,638	45,044	10,211	15,172	25,383	262	986	1,248	18	69	87
1929	3,210	7,980	11,190	7,109	22,664	29,773	12,572	15,895	28,468	335	782	1,117	26	83	109
1930	4,557	8,198	12,755	50,209	10,668	60,877	12,734	16,175	28,910	977	1,532	2,509	67	115	182
1931	3,561	6,713	10,274	22,638	(681)	21,957	22,069	11,121	33,191	402	691	1,093	40	80	120
1932	2,849	7,428	10,277	62,116	1,224	63,340	15,909	12,306	28,216	259	517	776	53	78	131
1933	1,645	7,169	8,814	18,748	11,296	30,044	11,885	14,370	26,255	230	399	629	15	37	52
1934	4,184	15,844	20,027	61,470	22,726	84,196	19,070	23,204	42,274	506	971	1,477	23	72	95

Continued ...

Table 52. Continued

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV
	Sockeye			Pink			Chum			Coho			Chinook		
Year	Total USSR Catch	Japanese Inter-ceptions	Total Prod-uction	Total USSR Catch	Japanese Inter-ceptions	Total Prod-uction	Total USSR Catch	Japanese Inter-ceptions	Total Prod-uction	Total USSR Catch	Japanese Inter-ceptions	Total Prod-uction	Total USSR Catch	Japanese Inter-ceptions	Total Prod-uction
1935	1,533	6,655	8,188	34,325	39,764	74,089	16,817	21,342	38,159	433	1,665	2,098	41	124	164
1936	2,479	12,328	14,807	40,103	43,377	83,480	20,584	40,863	61,448	1,317	4,851	6,168	65	118	183
1937	1,434	15,964	17,398	55,173	73,287	128,460	12,209	29,007	41,216	815	3,158	3,973	64	156	220
1938	1,616	16,646	18,262	40,786	66,132	106,918	15,446	32,500	47,946	1,010	2,129	3,139	47	120	167
1939	1,661	14,163	15,824	59,350	122,044	181,394	15,829	25,746	41,575	588	1,512	2,100	30	67	96
1940	1,159	8,941	10,100	33,735	22,007	55,742	15,297	26,021	41,318	836	855	1,691	22	79	102
1941	1,568	10,061	11,629	52,378	62,542	114,920	14,855	22,923	37,778	567	650	1,218	58	80	138
1942	1,943	7,995	9,938	52,945	43,029	95,974	10,982	18,206	29,188	1,433	1,012	2,445	37	47	84
1943	2,659	6,564	9,223	80,231	61,641	141,872	17,344	7,242	24,586	806	416	1,222	49	5	54
1944	3,205	2,742	5,947	71,017	10,071	81,088	15,353	2,402	17,754	956	176	1,131	17		17
1945	4,091	253	4,345	51,766	4,575	56,341	16,957	538	17,495	1,463	43	1,506	39		39
1946	4,501		4,501	25,636	519	26,155	19,004	309	19,313	2,896		2,896	82		82
1947	3,478		3,478	89,946	2,007	91,953	19,170	48	19,218	1,493		1,493	82		82
1948	2,114		2,114	34,940	265	35,205	17,289	15	17,304	1,792		1,792	132		132
1949	3,000		3,000	112,092	5,533	117,625	21,964	429	22,393	1,911		1,911	76		76
1950	3,171		3,171	24,364	2,230	26,594	17,012	1,090	18,102	687		687	63		63
1951	2,625		2,625	105,163	3,691	108,854	23,071	3,167	26,238	806		806	73		73
1952	3,137	379	3,516	38,755	4,075	42,830	12,172	1,303	13,475	1,374	121	1,494	67	4	71
1953	1,739	1,491	3,230	96,671	2,131	98,802	9,405	4,130	13,535	1,941	549	2,489	89	15	104
1954	1,364	3,864	5,228	30,924	3,295	34,218	14,550	11,888	26,438	2,239	1,773	4,012	66	86	153
1955	1,057	12,233	13,290	59,986	3,927	63,914	18,147	25,618	43,764	1,881	4,134	6,015	136	94	231
1956	1,943	7,231	9,174	48,260	9,913	58,173	21,383	22,187	43,570	1,135	4,165	5,299	112	92	203
1957	1,193	14,141	15,334	72,283	8,058	80,340	8,852	16,268	25,120	1,553	984	2,536	92	39	130
1958	341	12,550	12,891	25,703	17,434	43,137	7,663	28,817	36,480	836	4,023	4,859	71	67	138
1959	1,367	9,340	10,707	32,012	12,067	44,078	10,557	22,972	33,528	1,170	2,361	3,531	100	77	177
1960	1,367	10,628	11,995	13,145	16,628	29,773	11,978	20,109	32,088	564	2,129	2,693	71	109	180
1961	2,670	8,282	10,952	20,564	6,571	27,135	10,077	13,197	23,274	1,350	1,425	2,775	66	56	122
1962	1,426	9,836	11,262	10,780	6,701	17,481	9,242	14,976	24,218	1,298	2,504	3,802	100	147	247
1963	1,237	7,932	9,169	24,570	8,479	33,049	9,448	14,733	24,181	2,234	3,022	5,256	124	90	214
1964	969	6,110	7,079	10,627	4,670	15,297	6,473	18,601	25,074	333	4,582	4,915	160	245	405
1965	1,506	5,695	7,201	34,674	8,470	43,144	8,521	14,910	23,431	1,034	2,612	3,646	107	125	232
1966	1,151	6,335	7,486	14,013	8,777	22,790	7,872	21,286	29,158	902	1,564	2,466	93	147	240
1967	971	9,641	10,612	33,086	13,686	46,772	5,112	18,178	23,290	1,043	1,224	2,267	91	107	198
1968	836	7,352	8,188	10,083	10,433	20,516	4,446	16,149	20,595	977	1,964	2,941	83	179	262
1969	587	6,553	7,140	42,773	15,680	58,453	1,458	11,944	13,402	1,014	3,804	4,818	122	154	276
1970	1,612	4,964	6,576	11,117	7,777	18,894	3,091	15,607	18,698	1,625	1,855	3,480	141	178	319
1971	750	4,811	5,561	38,785	10,655	49,440	3,460	15,112	18,572	1,273	2,212	3,485	183	121	304
1972	336	5,535	5,871	13,578	5,565	19,143	1,381	19,944	21,325	511	2,433	2,944	197	134	331
1973	667	4,701	5,368	49,867	6,239	56,106	1,403	13,901	15,304	705	3,823	4,528	210	138	348
1974	437	4,107	4,544	23,310	5,105	28,415	1,088	19,003	20,091	1,164	3,608	4,772	172	147	319
1975	574	3,696	4,270	56,134	7,788	63,922	1,977	16,516	18,493	1,231	3,125	4,356	221	108	329
1976	399	4,222	4,621	35,976	6,587	42,563	2,770	18,794	21,564	1,062	2,860	3,921	199	194	393
1977	637	2,031	2,668	71,952	6,132	78,084	4,060	9,858	13,918	1,197	1,371	2,568	315	81	397
1978	1,153	2,672	3,825	35,752	6,588	42,340	4,611	5,895	10,506	712	2,493	3,205	300	158	458
1979	983	2,395	3,378	65,537	4,046	69,584	6,415	4,781	11,196	1,212	1,180	2,392	245	126	371
1980	1,326	2,251	3,577	51,785	5,702	57,487	4,027	4,717	8,744	742	1,582	2,324	107	392	499
1981	1,307	2,457	3,763	53,422	3,989	57,412	3,572	4,056	7,628	1,082	1,583	2,664	142	130	273
1982	1,012	2,090	3,102	28,218	3,929	32,146	2,999	4,669	7,668	1,134	2,087	3,221	136	131	267

Sources Columns I,IV,VII,X, and XIII: Columns I to V of Table 51.
Columns II,V,VIII,XI and XIV: Tables 33,34,36,37 and 38.
Columns III,VI,IX,XII, and XV: Sums of total USSR catches and Japanese interceptions.

Table 53. Estimated production of salmon in the USSR, in metric tonnes, 1887-1982.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV
	Sockeye			Pink			Chum			Coho			Chinook		
Year	Total USSR Catch	Japanese Inter-ceptions	Total Prod-uction	Total USSR Catch	Japanese Inter-ceptions	Total Prod-uction	Total USSR Catch	Japanese Inter-ceptions	Total Prod-uction	Total USSR Catch	Japanese Inter-ceptions	Total Prod-uction	Total USSR Catch	Japanese Inter-ceptions	Total Prod-uction
1887								666	666						
1888								633	633						
1889								938	938						
1890								513	513						
1891								453	453						
1892								585	585						
1893								640	640						
1894					(16)	(16)		320	320						
1895					(77)	(77)		323	323						
1896					(8)	(8)		285	285						
1897					(126)	(126)		408	408						
1898					(16)	(16)		349	349						
1899					(170)	(170)		212	212						
1900					(54)	(54)		255	255						
1901					(42)	(42)		187	187						
1902					(36)	(36)		158	158						
1903					(68)	(68)		224	224						
1904					(35)	(35)		164	164						
1905					211	211		199	199						
1906					10,305	10,305		1,214	1,214						
1907					20,343	20,343		1,004	1,004						
1908					18,067	18,067		11,298	11,298						
1909		3,707	3,707		28,933	28,933		18,679	18,679						
1910		5,614	5,614		37,602	37,602		44,241	44,241						
1911		5,244	5,244		106,297	106,297		31,224	31,224					59	59
1912		3,807	3,807		73,937	73,937		26,420	26,420					50	50
1913		7,350	7,350		94,735	94,735		43,387	43,387					277	277
1914		2,519	2,519		106,722	106,722		39,896	39,896					116	116
1915		5,778	5,778		108,997	108,997		20,848	20,848					173	173
1916		8,635	8,635		134,009	134,009		15,206	15,206					147	147
1917		7,110	7,110		149,206	149,206		25,727	25,727					147	147
1918		13,430	13,430		76,090	76,090		36,849	36,849					118	118
1919		16,706	16,706		100,721	100,721		47,387	47,387					498	498
1920		12,248	12,248		109,754	109,754		41,794	41,794					691	691
1921		16,592	16,592		126,715	126,715		39,052	39,052					635	635
1922		31,069	31,069		131,675	131,675		38,378	38,378					352	352
1923		24,482	24,482		56,628	56,628		34,607	34,607					244	244
1924		24,065	24,065		163,975	163,975		19,789	19,789					233	233
1925	2,893	12,688	15,581	11,874	42,838	54,712	11,500	24,036	35,536	920	3,460	4,380	21	389	410
1926	2,828	19,243	22,071	2,449	181,554	184,003	34,726	21,619	56,345	729	2,743	3,472	40	757	797
1927	8,318	20,364	28,682	2,223	43,407	45,630	21,780	29,648	51,428	935	3,516	4,451	77	966	1,043
1928	9,897	35,184	45,081	57,379	157,155	214,534	36,912	54,629	91,541	878	3,302	4,180	181	675	856
1929	9,415	23,406	32,821	10,464	56,850	67,314	45,449	57,134	102,583	1,122	2,619	3,741	260	811	1,071
1930	13,367	24,045	37,412	75,102	105,922	181,024	46,035	58,079	104,114	3,272	5,132	8,404	663	1,130	1,793
1931	10,445	19,689	30,134	33,323	29,365	62,688	79,781	39,899	119,680	1,346	2,315	3,661	395	782	1,177
1932	8,357	21,785	30,142	92,801	85,992	178,793	57,513	44,246	101,759	867	1,732	2,599	523	763	1,286
1933	4,826	20,278	25,104	27,597	61,631	89,228	42,964	48,559	91,523	771	1,270	2,041	152	360	512
1934	12,271	44,175	56,446	91,836	150,294	242,130	68,938	75,977	144,915	1,695	2,842	4,537	229	707	936

Continued ...

Table 53. Continued

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV
	Sockeye			Pink			Chum			Coho			Chinook		
Year	Total USSR Catch	Japanese Inter-ceptions	Total Prod-uction	Total USSR Catch	Japanese Inter-ceptions	Total Prod-uction	Total USSR Catch	Japanese Inter-ceptions	Total Prod-uction	Total USSR Catch	Japanese Inter-ceptions	Total Prod-uction	Total USSR Catch	Japanese Inter-ceptions	Total Prod-uction
1935	4,497	18,713	23,210	50,527	165,807	216,334	60,792	65,901	126,693	1,451	4,596	6,047	402	1,096	1,498
1936	7,270	33,559	40,829	59,914	106,754	166,668	74,413	118,733	193,146	4,411	13,480	17,891	639	893	1,532
1937	4,206	42,944	47,150	81,215	191,965	273,180	44,135	78,368	122,503	2,730	8,571	11,301	625	1,323	1,948
1938	4,739	44,156	48,895	60,935	153,374	214,309	55,837	86,590	142,427	3,382	5,613	8,995	463	1,007	1,470
1939	4,872	38,439	43,311	87,364	263,732	351,096	57,221	69,221	126,442	1,968	4,119	6,087	292	607	899
1940	3,400	24,463	27,863	50,400	76,859	127,259	55,300	73,415	128,715	2,800	2,524	5,324	220	750	970
1941	4,600	27,927	32,527	77,100	172,296	249,396	53,700	65,613	119,313	1,900	1,818	3,718	570	716	1,286
1942	5,700	20,839	26,539	79,100	102,222	181,322	39,700	44,194	83,894	4,800	2,803	7,603	360	364	724
1943	7,800	15,629	23,429	118,100	156,823	274,923	62,700	18,208	80,908	2,700	940	3,640	480	17	497
1944	9,400	6,843	16,243	106,100	38,412	144,512	55,500	5,217	60,717	3,200	395	3,595	170	1	171
1945	12,000	524	12,524	76,200	5,972	82,172	61,300	972	62,272	4,900	94	4,994	380	<0.1	380
1946	13,200		13,200	38,300	779	39,079	68,700	558	69,258	9,700		9,700	810		810
1947	10,200		10,200	132,400	3,011	135,411	69,300	87	69,387	5,000		5,000	810		810
1948	6,200		6,200	52,200	398	52,598	62,500	27	62,527	6,000		6,000	1,300		1,300
1949	8,800		8,800	165,000	8,299	173,299	79,400	774	80,174	6,400		6,400	750		750
1950	9,300		9,300	36,400	3,345	39,745	61,500	1,968	63,468	2,300		2,300	620		620
1951	7,700		7,700	154,800	5,536	160,336	83,400	5,717	89,117	2,700		2,700	720		720
1952	9,200	730	9,930	57,900	23,716	81,616	44,000	2,519	46,519	4,600	283	4,883	660	20	680
1953	5,100	3,427	8,527	142,300	19,783	162,083	34,000	8,997	42,997	6,500	1,212	7,712	880	63	943
1954	4,000	9,022	13,022	46,200	23,947	70,147	52,600	26,615	79,215	7,500	3,836	11,336	650	334	984
1955	3,100	24,809	27,909	88,300	68,729	157,029	65,600	50,604	116,204	6,300	10,288	16,588	1,340	396	1,736
1956	5,700	13,937	19,637	72,100	68,792	140,892	77,300	42,667	119,967	3,800	9,706	13,506	1,100	294	1,394
1957	3,500	29,631	33,131	106,400	93,242	199,642	32,000	30,033	62,033	5,200	2,228	7,428	900	158	1,058
1958	1,000	27,011	28,011	38,400	90,296	128,696	27,700	57,238	84,938	2,800	10,705	13,505	700	264	964
1959	4,010	18,437	22,447	47,121	99,971	147,092	38,162	45,115	83,277	3,918	5,454	9,372	983	293	1,276
1960	4,010	21,977	25,987	19,639	59,698	79,337	43,302	41,778	85,080	1,890	5,139	7,029	700	432	1,132
1961	7,830	20,764	28,594	30,270	74,727	104,997	36,430	28,105	64,535	4,520	3,378	7,898	650	241	891
1962	4,650	22,682	27,332	16,280	38,870	55,150	33,990	29,314	63,304	4,680	7,378	12,058	960	581	1,541
1963	3,442	16,982	20,424	35,707	74,055	109,762	33,566	30,180	63,746	7,353	8,419	15,772	1,003	332	1,335
1964	2,692	12,113	14,805	14,631	36,674	51,305	25,380	35,698	61,078	1,119	11,044	12,163	1,431	806	2,237
1965	4,186	11,666	15,852	47,941	65,259	113,200	31,463	27,890	59,353	2,946	6,042	8,988	1,090	428	1,518
1966	3,688	13,119	16,807	20,689	45,238	65,927	27,560	40,912	68,472	3,262	4,318	7,580	1,024	545	1,569
1967	3,018	18,476	21,494	50,701	69,858	120,559	20,639	33,392	54,031	3,613	3,036	6,649	911	423	1,334
1968	2,249	13,248	15,497	16,253	45,878	62,131	13,697	31,460	45,157	3,162	4,685	7,847	829	559	1,388
1969	1,640	11,862	13,502	63,436	72,923	136,359	5,867	23,365	29,232	3,320	7,810	11,130	1,205	401	1,606
1970	4,495	8,658	13,153	16,197	36,694	52,891	12,389	31,536	43,925	4,558	4,090	8,648	1,409	563	1,972
1971	2,249	7,928	10,177	58,445	57,987	116,432	10,546	28,640	39,186	4,380	5,329	9,709	1,975	379	2,354
1972	952	8,781	9,733	20,819	33,526	54,345	5,113	36,018	41,131	1,943	5,923	7,866	2,178	421	2,599
1973	1,713	7,317	9,030	66,449	49,101	115,550	5,205	25,243	30,448	2,126	8,465	10,591	2,225	518	2,743
1974	1,103	6,004	7,107	32,277	31,762	64,039	7,058	32,645	39,703	3,937	7,575	11,512	1,781	542	2,323
1975	1,474	5,454	6,928	68,994	45,707	114,701	7,801	28,954	36,755	3,541	6,297	9,838	2,181	383	2,564
1976	1,170	6,296	7,466	53,748	30,173	83,921	10,015	31,889	41,904	3,556	6,155	9,711	1,956	623	2,579
1977	1,869	3,193	5,062	107,496	33,585	141,081	14,678	17,353	32,031	4,009	2,857	6,866	3,099	297	3,396
1978	3,382	4,326	7,708	53,413	16,331	69,744	16,669	11,529	28,198	2,384	4,683	7,067	2,948	502	3,450
1979	2,884	4,047	6,931	97,913	20,472	118,385	23,191	8,788	31,979	4,060	2,190	6,250	2,408	473	2,881
1980	3,888	3,952	7,840	77,367	19,310	96,677	14,556	9,214	23,770	2,486	3,164	5,650	1,057	1,084	2,141
1981	3,833	4,066	7,899	79,813	21,366	101,179	12,914	7,604	20,518	3,623	2,753	6,376	1,399	461	1,860
1982	2,967	3,498	6,465	42,157	18,066	60,223	10,840	9,108	19,948	3,798	4,506	8,304	1,342	464	1,806

Sources Columns I, IV, VII, X and XIII: Columns VI-X of Table 51.
Columns II, V, VIII, XI and XIV: Tables 39, 40, 42, 43 and 44.
Columns III, VI, IX, XII and XV: Sums of total USSR catches and Japanese interceptions.

Table 54. Data not included in Alaska Department of Fish and Game statistics regarding sockeye catches in Southeast Alaska, 1878-1903.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI
	Klawak				Sumner Strait	Fredrick Sound	Stephens Passage	Chicagof			
Year	Total Cases	Estimated Numbers	Recorded Numbers	Total Numbers	Numbers	Numbers	Numbers	Total Cases	Estimated Numbers	Southern Southeast Total	Southeast Total
1878	5,402	69,024		69,024						69,024	69,024
1879	6,675	85,289		85,289						85,289	85,289
1880	6,539	83,552		83,552						83,552	83,552
1881	8,977	114,703		114,703						114,703	114,703
1882	11,501	146,953		146,953						146,953	146,953
1883	8,240	105,286		105,286						105,286	105,286
1884	6,189	79,080		79,080						79,080	79,000
1885	8,428	107,688		107,688						107,688	107,688
1886	7,680	98,131	5,424	92,707						92,707	92,707
1887	9,562	122,178	41,180	80,998						80,998	80,998
1888	12,325	157,482	62,602	94,880						94,880	94,880
1889	11,370	145,279	19,361	125,918						125,918	125,918
1890	10,188	130,177	49,689	80,488						80,488	80,488
1891	9,256	118,268	58,096	60,172				7,949	101,568	60,172	161,740
1892	10,194	130,253	40,555	89,698				10,259	131,084	89,698	220,782
1893	12,595	160,932	33,166	127,766				9,889	126,356	127,766	254,122
1894	14,455	184,698	34,722	149,976				11,189	142,967	149,976	292,943
1895	12,228	156,242	40,526	115,716	33,400			14,805	189,170	149,116	338,286
1896					30,884			15,358	196,236	30,884	227,120
1897					27,083			14,070	179,779	27,083	206,862
1898					28,802			12,681	162,031	28,802	190,833
1899					37,188					37,188	37,188
1900					130,098	140,000	117,878			130,098	387,976
1901					151,873	194,000	199,924			151,873	545,797
1902					122,514	110,961	264,917			122,514	498,392
1903					138,807	69,162	291,108			138,807	499,077

Sources Columns I,III,V,VI,VII and VIII: Rich and Ball (1933), Tables 20,21,17,6,9 and 12 respectively. Column II: Column I converted at 80 lb/case and 2.84 kg/fish (Table 57). Column IV: Column III subtracted from Column II. Column IX: Column VIII converted at 80 lb/case and 2.84 kg/fish (Table 57). Column X: Sum of Columns IV and V. Column XI: Sum of Columns IV,V,VI,VII and IX.

Table 55. Data not included in Alaska Department of Fish and Game statistics regarding pink, chum, coho, and chinook catches in Southeast Alaska, 1895-1903.

	PINK				CHUM			
	I	II	III	IV	I	II	III	
Year	Fredrick Sound	Stephens Passage	Sumner Strait	Total	Fredrick Sound	Stephens Passage	Sumner Strait	Total
1895			22,487	22,487				
1896			90,069	90,069				
1897			108,861	108,861				
1898			72,268	72,268				
1899			152,536	152,536				
1900	400,000	93,881	385,322	879,203		30,180		30,180
1901	1,007,000	485,997	1,216,542	2,709,539				
1902	686,836	587,979	1,448,371	2,723,186				
1903	77,078	892,890	899,638	1,869,606				

	COHO				CHINOOK			
	I	II	III	IV	I	II	III	IV
Year	Fredrick Sound	Stephens Passage	Sumner Strait	Total	Fredrick Sound	Stephens Passage	Sumner Strait	Total
1895			19,575	19,575				
1896			26,133	26,133				
1897			14,645	14,645				
1898			28,430	28,430				
1899			27,263	27,263				
1900	15,000	16,292	33,345	64,637		22,653		22,653
1901	38,000	110,185	44,037	192,222	5,269	16,444		21,713
1902	1,157	42,802	33,300	77,259	3,793	22,300		26,093
1903	44,364	67,973	91,085	203,422	181	2,284		2,465

Sources Columns I,II, and III: Rich and Bell (1933), Tables 6,9 and 17 respectively. Column IV: Sum of Columns I,II and III.

Table 56. Average weights (kg) of salmon caught in Alaska, by species and by area, for the period 1960-1976.

Area	Sockeye	Pink Even-Year	Pink Odd-Year	Chum	Coho	Chinook
Southeastern	2.84	1.73	1.82	4.27	3.63	6.81
Prince William Sound Copper & Bering Rivers	2.88	1.74	1.84	3.73	3.90	12.00
Cook Inlet	2.78	1.64	1.70	3.41	2.99	10.92
Kodiak	2.62	1.67	1.84	3.67	3.52	5.84
Chignik	3.16	1.62	1.72	3.34	3.21	6.56
Alaska Peninsula	2.58	1.66	1.50	3.10	3.31	6.40
Bristol Bay	2.56	1.56	1.63	3.01	3.24	8.09
Arctic*	2.82	1.37	1.45	3.17	3.15	9.92

Source INPFC Bull. 39 (1979), Table 93.

* Includes Arctic, Yukon, and Kuskokwim.

Table 57. Landings of sockeye salmon in Alaska, in numbers of fish with estimates of equivalent landed weights, 1878-1949.

Year	Kusko-kwim	Bristol Bay	Alaska Peninsula North	Aleutian Islands	Alaska Peninsula South	Chignik	Kodiak
1878							
1879							
1880							
1881							
1882							58,800
1883							188,706
1884							282,184
1885							468,580
1886							646,100
1887							1,004,500
1888						13,000	2,781,100
1889						560,000	3,754,735
1890						453,000	3,592,707
1891						775,000	3,846,388
1892						522,000	3,126,459
1893		940,000				600,000	3,244,609
1894		1,235,400				600,000	3,830,336
1895		1,472,137				683,319	2,246,966
1896		2.099,740				850,000	3,328,846
1897		3,317,523				765,000	2,785,515
1898		4,927,840				1,165,419	2,033,094
1899		5,112,737				903,749	1,934,771
1900		8,547,335				1,047,371	3,450,480
1901		10,220,577				907,350	4,826,159
1902		12,808,518				1,782,015	3,868,101
1903		16,320,092				1,149,990	1,826,163
1904		11,903,352				1,689,642	2,875,118
1905		14,833,989				1,297,114	2,142,367
1906		10,923,431	135,000			1,323,584	3,980,462
1907		10,193,403	66,500			1,622,987	4,232,459
1908		16,233,802	166,870		69,442	1,630,677	2,487,848
1909		15,497,883	143,000		108,437	1,730,804	1,915,230
1910		11,593,609			46,324	1,314,672	1,954,717
1911		8,815,114	129,600	9,252	240,824	1,077,595	2,685,949
1912		19,696,343	252,746		334,383	1,330,832	2,246,467
1913		20,581,826	888,816		299,694	833,220	1,663,163
1914	2,667	20,195,107	1,325,081		628,939	1,056,629	1,255,444
1915		14,787,678	1,974,270		367,888	1,330,031	1,664,426
1916		17,521,921	1,974,718	76,494	730,922	1,002,911	3,373,055
1917		24,513,532	679,592	70,434	1,486,056	1,456,676	3,645,914
1918		23,090,665	1,208,545	55,244	1,014,115	1,542,707	1,894,466
1919		7,161.375	389.176	3,900	619,141	884,938	1,619,101
1920		8,897,915	1,371,939	10,050	1,142,252	1,772,710	1,957,636
1921		15,680,076	1,746,465		830,666	1,828,857	2,857,922
1922	6,120	23,632,077	667,890	14,000	3,376,812	1,248,763	1,097,359
1923		18,181,964	731,668		1,827,155	642,872	1,090,117
1924	900	10,302,066	701,712	24,876	1,351,992	877,343	1,407,525
1925	5,850	7,909,508	400,234	18,634	820,480	712,658	1,693,057
1926		19,414,094	672,860	1,335	3,071,504	510,718	3,015,366
1927		11,071,828	230,594	17,259	714,749	456,263	1,155,202
1928		19,710,000	855,595		971,520	785,740	1,592,003
1929		12,188,648	877,990		935,766	1,048,984	712,126
1930	2,448	4,259,188	167,699		935,224	20,768	466,409
1931		12,790,614	760,985		1,863,188	714,979	1,183,074
1932		14,939,552	977,149		2,977,312	1,578,124	1,058,446
1933		23,708,950	350,111		1,996,718	595,501	1,428,373
1934		20,600,510	1,091,303		1,372,390	1,108.332	1,828,953
1935		3,022,959	479,206		978.405	619,330	1,613,519
1936		20,586,884	610,746		3,662,620	980,925	2,657,195
1937		21,257,814	860,854		1,558,025	629,318	1,881,304
1938		24,699,788	1,009,569		772,106	410,989	1,965,943
1939		13,332,345	746,222		1,881,654	1,482,079	1,786,445
1940		4,726,687	678,922		1,040,325	250,435	1,318,233
1941		7,153,704	491,668		1,072,000	653,909	1,730,201
1942		6,343,363			810,050	658,503	1,281,529
1943		17,330,218	567,393		2,397,722	1,247,818	1,990,557
1944		11,545,604	414,679		538,569	401,977	1,817,875
1945		7,300,247	394,378		813,355	220,953	2,041,090
1946		8,051,206	697,714		752,304	869,020	838,863
1947		18,642,028	357,660		1,137,122	2,084,824	993,394
1948		14,544,389	477,611		285,898	370,329	1,260,465
1949		6,449,321	137,117		637,466	542,545	892,336

Continued ...

Table 57. Continued

Year	Cook Inlet	Prince William Sound	Copper River	Bering River	South-east	Total	Estinted Weight (Tonnes)
1878					69,024	69,024	196
1879					85,289	85,289	242
1880					83,552	83,552	237
1881					114,703	114,703	326
1882					146,953	205,753	571
1883					213,086	401,792	1,100
1884					222,080	504,264	1,370
1885					134,088	602,668	1,608
1886					211,407	857,507	2,293
1887					379,498	1,383,998	3,710
1888					531,180	3,325,280	8,836
1889		242,790			864,018	5,421,543	14,760
1890		411,190			967,188	5,424,085	14,775
1891		710,740			1,105,340	6,437,468	17,713
1892					1,005,782	4,654,241	12,697
1893	170,000	792,690			998,322	6,745,621	18,394
1894	406,840	710,000			1,012,743	7,795,319	21,146
1895	324,277	507,630			1,231,586	6,465,915	17,676
1896	309,863	714,595		23,980	1,799,820	9,126,844	24,083
1897	354,800	371,487		39,269	1,336,362	8,969,956	24,173
1898	551,168	417,171		39,383	1,428,333	10,562,408	28,528
1899	558,529	527,122		27,072	1,587,988	10,651,968	28,672
1900	585,309	748,310		106,167	2,436,976	16,921,948	45,240
1901	482,406	781,438			1,909,597	19,127,527	50,691
1902	710,280	800,044			2,574,992	22,543,950	60,147
1903	564,189	814,345			2,559,677	23,234,456	61,381
1904	489,348	109,200	501,630	123,400	3,416,470	21,108,160	56,522
1905	95,547	100,000	320,000		2,610,549	21,399,566	56,576
1906	225,506	60,578	265,378	54,074	2,620,860	19,488,873	51,832
1907	460,620	17,692	263,557		2,201,071	19,058,284	50,826
1908	670,774	117,018	466,414		2,544,671	24,387,516	64,611
1909	582,562	150,412	316,688		2,791,461	23,236,477	61,703
1910	840,187	68,122	221,993		2,986,886	19,026,510	50,729
1911	1,249,154	23,130	407,559		2,896,988	17,535,165	46,929
1912	1,194,888	47,549	456,390	41,023	3,018,060	28,618,681	75,491
1913	1,369,196	75,412	404,914	38,519	2,218,591	28,373,351	74,348
1914	1,472,829	72,348	570,959	10,202	3,501,203	30,091,408	79,297
1915	1,860,684	52,111	818,728	105,614	2,825,543	25,786,973	68,472
1916	1,699,323	72,321	769,531	141,278	2,381,350	29,743,824	78,359
1917	1,659,907	222,154	919,818	163,357	2,622,899	37,440,339	98,502
1918	1,668,394	249,092	1,492,356	173,021	2,821,198	35,209,803	92,992
1919	943,694	152,682	1,328,643	139,792	3,262,799	16,505,241	44,542
1920	1,314,916	129,655	854,624	162,582	2,743,624	20,357,903	54,772
1921	983,625	92,571	570,291	120,667	1,498,933	26,210,073	69,305
1922	860,019	140,736	505,775	131,179	1,900,123	33,580,853	87,835
1923	1,099,465	170,050	625,875	192,361	2,410,357	26,971,884	70,783
1924	1,056,090	158,404	790,835	87,114	2,506,115	19,265,052	51,237
1925	1,510,861	96,703	160,721	52,632	1,843,518	15,224,856	40,479
1926	1,999,720	157,313	211,341	37,424	2,044,708	31,136,383	81,414
1927	1,459,068	118,118	341,291		1,444,563	17,008,935	44,778
1928	1,172,959	183,144	531,791		1,350,871	27,153,623	70,982
1929	1,049,851	264,960	968,001		1,901,461	19,947,787	52,933
1930	917,882	207,108	829,894		2,587,439	10,394,059	27,930
1931	805,526	159,499	760,071		1,823,085	20,861,021	54,939
1932	1,131,958	256,047	830,028		1,652,065	25,400,681	67,174
1933	1,336,135	106,985	629,096	19,751	1,010,460	31,182,080	81,135
1934	1,815,267	143,524	913,743	78,262	1,241,883	30,194,167	79,232
1935	1,355,787	175,191	111,579		1,892,836	10,248,812	27,655
1936	2,390,281	153,033	862,789	50,154	2,403,397	34,358,024	90,330
1937	1,581,183	108,121	1,024,416	28,733	2,187,191	31,116,959	81,530
1938	2,425,253	116,135	767,721		2,535,417	34,702,921	90,766
1939	2,334,904	120,544	633,733		2,487,146	24,805,072	66,001
1940	1,648,952	76,167	435,993		1,507,340	11,683,054	31,121
1941	1,293,234	74,797	444,162		1,674,412	14,588,087	38,792
1942	1,540,185	96,526	562,092		1,566,489	12,858,737	34,395
1943	1,468,279	164,965	700,493		1,123,759	26,991,204	70,940
1944	1,939,932	141,002	769,552		1,722,276	19,291,466	50,956
1945	1,556,713	175,798	823,805		1,683,289	15,009,628	39,838
1946	1,474,473	110,787	550,353		888,241	14,232,961	37,822
1947	1,473,973	199,208	354,281		746,170	25,988,660	68,582
1948	2,035,306	208,159	172,687		524,525	19,879,369	51,921
1949	2,153,213	93,396	441,776		489,799	11,836,969	31,479

Table 58. Landings of pink salmon in Alaska, in numbers of fish with estimates of equivalent landed weights, 1889-1949.

Year	Bristol Bay	Alaska Peninsula North	Aleutian Islands	Alaska Peninsula South	Chignik	Kodiak
1889						
1890						
1891						
1892						
1893						
1894						
1895						
1896						
1897	35,348				5,800	
1898	59,786					
1899	16,758				18,134	
1900	7,803				52,350	
1901	231,188				40,484	2,015
1902	502,265					
1903	241,504				84,097	10,000
1904	398,146				27,785	5,180
1905	291,015					
1906	1,901,945					
1907	344,148	1,500				
1908	399,257					286,374
1909	101,279	15				153,595
1910	652,129				17,170	215,382
1911	91,764			25,232	23,128	229,551
1912	1,680,652			40,409	55,099	547,171
1913	425,493				30,080	590,039
1914	563,998			310,917	80,080	1,726,411
1915	134,798			120,135	55,665	252,073
1916	683,771	2,561	180,264	576,104	267,148	3,181,890
1917	37,082	560	612	72,060	9,583	225,335
1918	619,303	1,211	75,600	2,150,816	396,125	2,467,325
1919	452	12,041	4,000	80,171	4,807	282,715
1920	2,045,437			2,109,805	297,826	1,977,421
1921	939			47,320	30,620	67,688
1922	289,795			756,741	359,510	2,766,257
1923	3			143,610	9,235	928,510
1924	103,056		673,846	3,931,308	1,014,992	5,435,091
1925	18		3,842	382,148	42,704	2,673,675
1926	288,041		521,724	3,719,705	677,026	4,606,694
1927	3		334,575	1,455,516	186,710	5,297,305
1928	46,665			900,939	45,863	1,535,313
1929				1,793,516	72,733	6,108,402
1930	248,727			6,094,811	67,515	1,651,398
1931				997,861	169,561	6,839,906
1932	172,396			3,604,771	812,337	4,719,939
1933	150			3,109,202	325,088	6,573,660
1934	33,303	400		6,538,530	536,589	7,641,891
1935		78		5,386,173	373,112	10,780,612
1936	523,841	2,832		9,470,992	596,581	5,647,726
1937		192		9,302,047	1,205,410	16,787,150
1938				7,169,070	223,314	8,397,981
1939	48	16		6,005,287	272,956	11,741,218
1940	258,342	25		7,182,634	86,845	9,997,899
1941		3,178		5,347,000	326,641	7,601,531
1942	171,913			6,762,612	486,106	6,092,526
1943		1,250		4,360,164	96,346	12,479,608
1944	55,264	2,645		2,653,841	568,090	4,955,354
1945	23	2,484		3,639,630	441,879	9,044,544
1946	41,250	11		1,963,982	906,744	9,545,871
1947	421	50		2,319,611	472,327	8,856,666
1948	53,236	26		1,683,743	1,071,556	5,968,487
1949	38			1,544,015	91,528	4,927,779

Continued ...

Table 58. Continued

Year	Cook Inlet	Prince William Sound	Copper River	Bering River	South-east	Total	Estimated Landed Weight (Tonnes)
1889					92,100	92,100	168
1890					0	0	0
1891					0	0	0
1892					8,200	8,200	14
1893					187,000	187,000	340
1894					528,600	528,600	914
1895					628,287	628,287	1,143
1896	37,800	308,180			1,719,869	2,065,849	3,574
1897		302,290			3,481,461	3,824,899	6,960
1898		375,246			1,633,568	2,068,600	3,572
1899		212,907			3,065,036	3,312,835	6,029
1900		50,565			5,200,503	5,311,221	9,182
1901	5,591	313,806			10,234,639	10,827,723	19,750
1902	79,246	375,408			10,823,886	11,780,805	20,292
1903		398,926			7,398,106	8,132,633	14,755
1904		573,967			5,178,207	6,183,285	10,632
1905					3,060,358	3,351,373	6,044
1906	64,100				7,036,374	9,002,419	15,245
1907	6,420	252,373			11,973,899	12,578,340	22,929
1908	375,140	18,018			13,592,326	14,671,115	25,262
1909	3,740				9,497,508	9,756,137	17,797
1910	217,666	196,871			9,425,310	10,724,528	18,410
1911	70,665	156,349			21,408,907	22,005,596	41,105
1912	1,661,874	401,892			22,011,191	26,398,288	45,196
1913	10,926	425,574			25,295,606	26,777,718	48,838
1914	1,255,798	224,906			12,567,376	16,729,486	28,601
1915	19,308	449,174	16,076		30,351,380	31,398,609	57,393
1916	1,682,672	3,270,282	31,578	14,492	19,940,350	29,831,112	51,100
1917	54,286	2,590,563	8,845		40,327,465	43,326,391	79,709
1918	721,231	4,302,646	5,361	772	39,287,711	50,028,101	86,074
1919	43,447	1,008,312			24,330,891	25,766,836	47,557
1920	445,524	5,314,747			18,121,431	30,312,191	51,806
1921	4,717	12,644			7,735,444	7,899,372	14,435
1922	637,405	2,421,272			24,002,889	31,233,869	53,694
1923	39,146	2,447,006	462	298	39,879,249	43,447,519	79,701
1924	752,016	8,395,901	186		30,029,343	50,335,739	86,319
1925	11,828	4,085,084	20	206	28,246,398	35,445,923	64,729
1926	586,054	11,153,653	85	135	32,193,383	53,746,500	92,343
1927	251,866	6,124,911			8,163,332	21,814,218	43,305
1928	568,052	8,034,200			36,051,196	47,182,228	81,486
1929	376,863	9,613,500			21,848,494	39,813,508	78,058
1930	1,022,679	6,776,860			43,483,232	59,345,222	102,068
1931	472,221	4,860,083			27,243,530	40,583,162	81,007
1932	441,125	3,466,435			22,605,600	35,822,603	61,314
1933	118,187	3,030,274	312		25,783,195	38,940,068	72,078
1934	929,992	6,788,991	3,081		50,327,890	72,800,667	124,948
1935	430,540	2,618,009	176		30,247,606	49,836,306	96,176
1936	852,924	9,581,246	293		50,747,387	77,423,822	132,806
1937	487,692	3,332,395	2,067		35,166,387	66,283,340	126,088
1938	848,733	7,545,648	2,048		30,288,240	54,475,034	93,211
1939	319,312	2,075,310	3,218		23,721,956	44,139,321	83,989
1940	2,604,235	11,542,576			29,093,692	60,766,448	103,851
1941	715,211	3,774,792	10,901		60,061,213	77,840,467	151,438
1942	965,507	7,002,089	1,599		33,126,930	54,609,282	93,536
1943	1,457,161	10,814,268	1,053		18,038,752	47,248,602	107,522
1944	1,815,441	8,346,755			19,344,068	37,741,458	64,658
1945	1,367,950	11,632,238			21,654,516	47,783,264	107,226
1946	1,338,731	8,026,032			24,821,810	46,644,431	79,838
1947	681,731	8,077,210			14,041,563	34,449,579	72,782
1948	1,660,147	2,460,760			14,352,448	27,250,403	46,415
1949	433,003	6,089,394			43,920,676	57,006,433	110,165

Source of number data: INPFC Bulletin 39, Table 75.
Estimated landed weight computed using conversion factors listed in Table 56.

Table 59. Landings of chum salmon in Alaska, in numbers of fish with estimates of equivalent landed weights, 1896-1949.

Year	Kotzebue	Yukon River	Kusko-kwim	Bristol Bay	Alaska Peninsula North	Aleutian Islands	Alaska Peninsula South
1896							
1897							
1898							
1899							
1900							
1901							
1902							
1903							
1904				37,308			
1905				58,984			
1906				253,541			
1907				508,727			
1908				459,899			
1909				378,138	1,000		
1910				310,218			1,318
1911				347,866			82,963
1912				354,627	2,448		195,017
1913				284,718	1,964		6,950
1914	8,550			566,947			221,065
1915	4,750			593,079	54,789		333,141
1916	19,000			1,489,623	191,404	137	508,880
1917	44,612			356,222	90,301	23,145	415,476
1918	27,407	73,921		745,824	252,287		1,501,037
1919		327,898		204,474	143,464		921,437
1920		155,655		434,338	36,954		934,041
1921		111,098		355,331	32,750		84,627
1922				515,915	42,912		349,304
1923				184,902	25,755		538,948
1924			7,167	285,463	48,389	123	1,330,725
1925				231,808	53,874	9,136	1,116,769
1926				326,018	71,533	7,797	1,179,782
1927				195,803	86,963		1,299,666
1928				396,581	83,543		2,416,342
1929				621,554	145,200		2,428,963
1930				226,930	93,692		1,278,097
1931				635,726	54,914		1,211,044
1932				908,522	56,344		817,253
1933				255,658	15,958		1,173,902
1934				332,069	13,045		1,940,251
1935				72,049	33,819		2,003,054
1936				258,964	18,984		2,310,903
1937				302,231	65,600		1,506,691
1938				545,380	34,738		1,476,588
1939				934,682	82,198		1,440,604
1940				293,150	65,553		2,326,278
1941				524,280	30,160		1,542,800
1942				168,963			1,321,100
1943				376,803	50,396		924,469
1944				315,469	157,853		985,554
1945				635,293	335,101		948,914
1946				236,040	36,012		1,219,886
1947				215,715	75,049		1,219,223
1948				496,657	161,660		1,139,574
1949				269,138	40,682		560,908

Continued ...

Table 59. Continued

Year	Chignik	Kodiak	Cook Inlet	Prince William Sound	Copper River	Bering River	South-east	Total	Estimated Landed Weight (Tonnes)
1896							2,938	2,938	13
1897							6,683	6,683	29
1898	850						27,732	28,582	121
1899							7,000	7,000	30
1900	1,200						63,180	64,380	274
1901								0	0
1902								0	0
1903								0	0
1904							358,378	395,686	1,643
1905							1,660,986	1,719,970	7,270
1906							1,374,459	1,628,000	6,632
1907							1,354,929	1,863,656	7,317
1908							1,824,637	2,284,536	9,175
1909							699,381	1,078,519	4,128
1910			1,318				1,996,830	2,309,684	9,469
1911	14,788	6,492	749				2,784,721	3,237,579	13,271
1912	28,232	24,588	121,628	405			5,342,331	6,069,276	25,092
1913	91,152	3,822	10,813	70			2,459,777	2,859,266	11,743
1914	32,388	13,094	39,905				5,444,154	6,326,103	25,958
1915	65,350	20,331	27,833	2,175			3,593,040	4,694,488	18,741
1916	88,778	28,962	128,322	45,918	67		4,741,634	7,242,725	27,974
1917	124,579	15,961	78,468	370,309			6,851,774	8,370,847	34,234
1918	343,886	81,699	108,200	1,341,887	686	3	9,352,573	13,829,410	54,762
1919	136,754	60,102	54,333	558,522			9,268,489	11,675,473	47,478
1920	152,206	55,175	97,541	260,963			8,613,368	10,740,241	43,607
1921	220,721	24,779	42,409	3,499			1,846,832	2,722,046	10,657
1922	212,789	223,970	74,389	50,517			3,728,616	5,190,412	20,665
1923	87,668	38,653	23,481	111,582			3,912,562	4,923,551	19,945
1924	110,793	117,883	36,755	385,251	23		7,266,500	9,589,072	38,551
1925	102,121	212,492	15,064	780,956	4		8,188,085	10,710,309	43,403
1926	265,168	324,706	118,455	587,351			6,105,808	8,986,618	35,628
1927	171,467	417,956	59,380	655,159			2,219,770	5,106,164	19,119
1928	122,552	726,480	101,086	468,260			4,871,346	9,106,190	34,911
1929	185,265	1,057,662	134,601	1,282,150			2,626,905	8,482,300	30,809
1930	50,437	419,011	99,630	979,800			2,708,507	5,856,104	22,202
1931	45,644	183,737	62,628	560,271			2,850,746	5,604,710	21,141
1932	50,399	237,023	64,749	350,895			5,593,734	8,078,919	31,896
1933	119,823	536,935	57,245	285,824			4,547,402	6,992,747	27,508
1934	134,036	661,341	91,319	261,479			3,805,510	7,239,050	27,466
1935	190,873	381,753	161,424	471,050			5,083,541	8,397,563	32,584
1936	114,497	328,218	264,909	218,550			7,605,896	11,120,921	43,785
1937	122,928	346,238	148,869	227,468			5,556,010	8,276,035	32,545
1938	71,384	640,119	191,328	249,754	470		4,556,394	7,766,155	29,956
1939	78,707	641,693	231,645	273,015	38		3,308,759	7,071,341	26,430
1940	24,711	673,265	280,831	532,327			4,624,767	8,820,882	33,541
1941	161,890	444,521	272,345	507,350	188		2,959,482	6,442,216	24,083
1942	150,770	564,924	400,989	702,331	141		5,441,724	8,750,942	34,405
1943	51,992	454,205	301,899	475,877			6,833,316	9,468,957	37,980
1944	67,311	506,703	258,840	1,208,587			6,881,152	10,381,469	41,352
1945	135,973	559,332	305,901	1,753,720	367		3,318,481	7,993,082	30,155
1946	265,470	298,486	383,563	757,173			4,010,237	7,206,867	27,842
1947	71,829	294,518	279,227	706,189			3,360,303	6,222,053	23,917
1948	368,966	330,795	439,314	457,618			4,004,499	7,399,083	28,279
1949	129,139	699,548	238,646	827,665			2,894,344	5,660,070	21,934

Source of number data: INPFC Bulletin 39, Table 76.
Estimated landed weight computed using conversion factors listed in Table 56.

Table 60. Landings of coho salmon in Alaska, in numbers of fish with estimates of equivalent landed weights, 1888-1949.

Year	Yukon River	Kusko-kwim	Bristol Bay	Alaska Peninsula North	Aleutian Islands	Alaska Peninsula South	Chignik
1888							
1889							
1890							
1891							
1892							
1893			74,000				64,000
1894			47,000				
1895			28,050				
1896			245,068				56,764
1897			150,000				10,510
1898			55,744				790
1899			100,396				12,882
1900							2,053
1901			4,179				6,501
1902			193,838				
1903			60,073				8,616
1904			129,469				
1905			78,301				
1906			207,257				
1907			129,065	3,150			800
1908			103,013				
1909			80,513			7,200	
1910			139,200			5,500	36,907
1911			129,971			12,447	7,788
1912			195,093	11,029		26,982	18,979
1913			66,807	18,737			23,773
1914			98,942			9,896	34,475
1915			130,443			16,237	29,617
1916			293,498		1,174	34,145	45,899
1917			62,263	6,800	3,769	4,648	13,323
1918	26,144		108,576		4,405	16,334	21,118
1919	37,070		46,687		800	56,087	34,931
1920			153,304		2,790	47,731	22,493
1921	1,000		84,564			1,457	13,251
1922			159,984			2,173	14,952
1923			9,274	61		75,276	18,574
1924		7,167	40,379			127,312	94,433
1925			16,596			127,087	30,049
1926			13,297			193,790	31,842
1927			146	104	20	125,332	101,422
1928			4,840			96,593	65,703
1929			58,620			84,549	36,762
1930			34,150			161,100	18,809
1931			920			128,734	39,919
1932			4,630			112,303	25,272
1933			15,800			189,952	52,745
1934			12,190			247,104	26,995
1935		8,296	2,230			117,179	18,143
1936			24,310			284,556	39,763
1937			1,700			73,853	19,378
1938		828	4,825			220,686	23,695
1939			323			98,919	8,834
1940		500	25,035			184,157	219
1941		674	34,640			183,000	30,867
1942			29,257			123,035	11,603
1943			1,670			90,642	20,092
1944			24,520			238,659	14,238
1945			16,435			116,082	7,866
1946		674	51,008	275		151,370	6,621
1947			9,563	90		55,800	4,610
1948			11,818	17,218		39,222	937
1949			26,319	25,650		19,492	6,009

Continued ...

Table 60. Continued.

Year	Kodiak	Cook Inlet	Prince William Sound	Copper River	Bering River	South-east	Total	Estimated Landed Weight (Tonnes)
1888						16,300	16,300	59
1889						11,200	11,200	41
1890						43,900	43,900	159
1891						23,700	23,700	86
1892						15,400	15,400	56
1893		34,000	72,000			256,817	500,817	1,760
1894		19,000	17,000			347,400	430,400	1,536
1895	8,321		142,937			628,775	808,083	2,960
1896		27,600	31,862			267,533	628,827	2,154
1897	1,500	28,000	25,605			282,345	497,960	1,734
1898	19,175	83,412				319,930	479,051	1,661
1899	32,475	54,890				307,963	508,606	1,763
1900	32,239	20,000				362,237	416,529	1,495
1901		8,967				473,622	493,269	1,780
1902	34,972	54,864				312,759	596,433	2,050
1903	119,541	58,968				857,022	1,104,220	3,930
1904	103,136	23,800				517,856	774,261	2,733
1905	86,913					398,991	564,205	2,008
1906	23,738	93,485				659,220	983,700	3,428
1907	38,059	177,276				502,646	850,996	2,920
1908	73,789	94,936				457,860	729,598	2,539
1909	51,500	88,350				332,376	559,939	1,937
1910	44,291	79,702	14,411	18,149		646,065	984,225	3,454
1911	21,870	87,909	20,284	33,660		901,838	1,215,767	4,311
1912	17,491	70,567	15,563	36,238	8,000	1,099,442	1,499,384	5,316
1913	27,634	81,484	406			577,189	796,030	2,792
1914	32,063	188,341	13,001	42,192		914,809	1,333,719	4,676
1915	51,819	122,028	6,915	12,098		870,535	1,239,692	4,353
1916	49,683	209,978	47,746	118,267	51,938	1,587,607	2,439,935	8,631
1917	30,485	60,766	44,557	126,073	78,412	1,469,396	1,900,492	6,889
1918	78,169	251,151	100,247	74,379	80,218	1,629,366	2,390,107	8,505
1919	104,233	172,855	72,836	53,468	76,729	1,804,055	2,459,751	8,793
1920	88,970	302,353	89,378	73,924	63,865	1,148,051	1,992,859	7,007
1921	45,764	20,519	9,316	377		911,568	1,087,816	3,894
1922	119,724	199,923	8,962			1,258,885	1,764,603	6,197
1923	77,554	142,926	26,889		24,723	1,342,071	1,717,348	6,112
1924	120,686	187,656	69,431	41,889	80,030	1,214,898	1,983,881	7,020
1925	92,960	198,146	84,408	153,376	57,018	1,211,862	1,971,502	7,039
1926	174,475	353,173	78,607	177,781	53,668	1,184,658	2,261,291	7,966
1927	151,548	387,746	258,816	410,350		1,284,537	2,720,021	9,707
1928	290,645	522,509	190,350	304,326		2,159,409	3,634,375	12,900
1929	144,226	184,858	66,066	183,889		1,368,442	2,127,412	7,590
1930	228,800	498,475	107,622	597,822		1,998,507	3,645,285	13,006
1931	170,075	328,295	55,108	91,891		1,152,099	1,967,041	6,893
1932	52,192	374,976	99,856			1,389,406	2,058,635	7,206
1933	91,428	187,972	75,538	96,263		1,223,081	1,932,779	6,843
1934	89,588	251,260	100,331			1,956,014	2,683,482	9,502
1935	76,849	170,438	33,557	79,722		1,759,654	2,266,068	8,089
1936	183,903	328,496	43,783			1,799,813	2,704,624	9,482
1937	164,902	215,700	60,062	45,535		1,399,754	1,980,884	7,030
1938	154,959	213,804	52,735			2,199,625	2,871,157	10,200
1939	112,171	163,010	35,664	7,397		1,122,183	1,548,501	5,481
1940	148,016	478,096	89,549	229,012		1,838,309	2,992,893	10,559
1941	199,515	359,224	47,574	566,008		2,515,069	3,936,571	14,118
1942	106,864	644,823	63,612	710,014		2,211,103	3,900,311	13,887
1943	59,661	279,852	73,365	185,691		1,680,198	2,391,171	8,526
1944	51,675	256,621	65,454	294,372		1,306,203	2,251,742	8,009
1945	60,122	329,828	43,679	324,322		2,587,615	3,485,949	12,489
1946	56,425	581,374	159,011	283,700		2,366,848	3,657,306	12,946
1947	76,230	443,879	66,335	278,637		1,546,079	2,481,223	8,784
1948	32,364	408,079	35,168	266,555		2,145,853	2,957,214	10,528
1949	53,737	279,701	115,556	173,124		2,279,890	2,979,478	10,681

Source of number data: INPFC Bulletin 39, Table 77.
Estimated landed weight computed using conversion factors listed in Table 56.

Table 61. Landings of chinook salmon in Alaska, in numbers of fish with estimates of equivalent landed weights, 1890-1949.

Year	Yukon River	Kusko-kwim	Bristol Bay	Alaska Peninsula North	Aleutian Islands	Alaska Peninsula South	Chignik
1890							
1891							
1892							
1893			44,000				
1894			10,500				
1895			19,925				
1896			17,301				3,304
1897			19,897				
1898			19,260				
1899			38,259				
1900			58,307				
1901			106,047				
1902			109,089				
1903			86,506				
1904			97,953				129
1905			116,855				
1906			143,194	1,530			
1907			137,677	1,725			
1908			90,009	600			
1909			130,489	1,500			
1910			101,755				
1911			113,163				
1912			97,728	940			33
1913		7,800	74,249	600		1,832	1,918
1914			100,964	8,090		648	320
1915			148,028	13,953		4,753	1,054
1916		949	105,124	44,244	47	6,792	1,693
1917		7,878	91,145	20,006		6,424	904
1918	12,239	3,055	87,048	9,679		8,682	1,449
1919	104,822	4,836	201,954	19,632		9,626	597
1920	58,467	34,853	127,350	19,001		7,563	811
1921	69,646	9,854	91,982	12,474		678	399
1922	16,825	8,944	74,020	18,431		6,939	500
1923	13,393	7,254	67,013	9,075		4,059	867
1924	27,375	19,253	71,663	10,493	8	3,938	483
1925		1,664	97,448	10,550		10,742	1,475
1926			74,604	23,925		9,486	830
1927			83,846	16,495		9,610	987
1928			66,075	4,604		7,722	438
1929			150,663	4,067		18,530	1,546
1930		7,515	105,428	3,846		10,899	238
1931		8,541	47,175	1,837		10,986	1,252
1932	4,739	9,399	68,286	3,255		17,416	692
1933	8,829		49,308	1,145		12,614	1,088
1934	25,365		45,945	1,619		17,595	692
1935	7,265	6,448	3,573	991		13,893	569
1936	20,963	624	21,703	983		14,380	792
1937	6,226	480	36,629	1,633		9,266	804
1938	13,727	624	45,934	3,918		6,449	994
1939	9,987	134	33,408	741		16,523	1,633
1940	18,053	247	15,267	716		9,082	
1941	29,905	187	30,661			13,000	1,203
1942	22,487		19,006			4,821	1,702
1943	27,650		41,146	183		21,663	1,004
1944	14,232		16,373	70		9,068	1,699
1945	19,727		26,609	86		21,444	1,101
1946	22,782	2,288	27,401	2,458		6,055	1,792
1947	54,026	5,356	41,641	82		3,404	737
1948	33,842		49,116	2,164		1,231	756
1949	36,379		58,752	712		3,805	763

Continued ...

Table 61. Continued.

Year	Kodiak	Cook Inlet	Prince William Sound	Copper River	Bering River	South-east	Total	Estimated Landed Weight (Tonnes)
1890			5,491				5,491	66
1891			6,185				6,185	74
1892								
1893		30,000	8,674			6,000	88,674	829
1894		15,500	8,494			13,000	47,494	445
1895		25,199	10,248			12,747	68,119	646
1896		18,076	1,407			18,739	58,827	504
1897		14,083	2,044			25,235	61,259	511
1898		16,389	1,850			16,929	54,428	472
1899	1,104	17,102	4,682			37,039	98,186	811
1900	4,838	26,683	3,462			39,353	132,643	1,101
1901	3,838	34,319	6,558			39,113	189,875	1,600
1902	2,932	49,013	2,500			37,793	201,327	1,722
1903	1,187	66,023	4,600			44,965	203,281	1,789
1904	3,190	30,073	253	5,014	400	37,118	174,130	1,461
1905	2,496	17,668		20,000		68,613	225,632	1,860
1906	3,640	22,420		2,165	111	42,084	215,144	1,748
1907	4,015	62,944		869		89,149	296,379	2,453
1908	3,028	33,774				101,250	228,661	1,808
1909	3,907	59,642		3,067		113,886	312,491	2,552
1910	1,598	49,028		974		175,604	328,959	2,575
1911	689	55,845		1,358		147,168	318,223	2,548
1912	686	47,866		6,181		405,780	559,214	4,161
1913	1,082	63,652	1,003	2,307		353,110	507,553	3,852
1914	1,329	47,554		3,043		339,004	500,952	3,747
1915	939	83,793		7,334	4	281,962	541,820	4,253
1916	1,038	62,895	6	14,259	7	256,082	493,136	3,806
1917	1,457	65,499	364	13,930	321	327,292	535,220	4,119
1918	2,021	34,886	557	19,627	139	411,435	590,817	4,421
1919	1,831	23,801	6,930	13,266	72	579,921	967,288	7,376
1920	1,637	39,563	6,408	22,997	120	351,789	670,559	5,323
1921	660	13,946		11,466	3	446,310	657,418	4,953
1922	703	31,030	286	10,075	72	344,852	504,677	3,785
1923	1,915	29,911	530	10,339	86	790,461	934,903	6,609
1924	1,002	27,012	1,219	15,862	111	836,004	1,014,423	7,338
1925	1,911	51,033	3,325	19,728	77	600,102	798,055	5,884
1926	596	75,620	2,153	21,338	76	452,920	661,548	5,019
1927	1,358	87,404	3,094	42,045		627,201	872,040	6,627
1928	2,546	69,885	4,018	44,954		384,581	584,823	4,601
1929	3,200	67,694	900	46,790		455,491	740,881	5,755
1930	4,991	72,317	2,195	24,726		610,004	842,159	6,319
1931	1,541	51,402	1,507	34,588		460,195	619,024	4,694
1932	1,873	70,931	7,907	29,403		626,845	840,746	6,332
1933	1,140	59,281	3,842	19,410	134	427,189	583,980	4,425
1934	1,300	72,379	3,621	13,167	70	339,032	520,785	4,060
1935	1,393	75,075	3,302	2,901		641,457	756,867	5,535
1936	2,548	81,062	3,421	10,930	213	681,063	838,682	6,206
1937	1,257	85,982	1,757	14,218	86	879,478	1,037,816	7,566
1938	1,232	57,663	1,475	11,321		757,117	900,454	6,533
1939	2,272	52,726	2,004	8,616		652,066	780,110	5,649
1940	1,233	63,016	1,046	5,470		428,401	542,531	4,059
1941	2,571	104,822	355	12,352		612,850	807,906	6,123
1942	1,329	95,180	1,433	25,335		558,406	729,699	5,590
1943	1,133	111,381	340	20,202		398,800	623,502	4,939
1944	668	85,210	761	9,857		328,290	467,028	3,646
1945	2,021	69,202	367	21,644		438,114	600,315	4,571
1946	129	64,281	1,669	24,353		568,488	721,696	5,423
1947	99	106,804	781	15,026		496,098	724,054	5,688
1948	1,401	105,996	207	5,774		400,096	680,583	5,267
1949	851	111,281	643	8,652		400,063	693,901	5,406

Source of number data: INPFC Bulletin 39, Table 78.
Estimated landed weight computed using conversion factors listed in Table 56.

Table 62. Landings of salmon in Alaska, by species, 1878-1982.

	I	II	III	IV	V	VI	VII	VIII	IX	X
			Catch (Numbers of Fish)					Catch (Tonnes)		
Year	Sockeye	Pink	Chum	Coho	Chinook	Sockeye	Pink	Chum	Coho	Chinook
1878	69,024					196				
1879	85,289					242				
1880	83,552					237				
1881	114,703					326				
1882	205,753					571				
1883	401,792					1,100				
1884	504,264					1,370				
1885	602,668					1,608				
1886	857,507					2,293				
1887	1,383,998					3,710				
1888	3,325,280			16,300		8,836			59	
1889	5,421,543	92,100		11,200		14,760	168		41	
1890	5,424,085	0		43,900	5,491	14,775	0		159	66
1891	6,437,468	0		23,700	6,185	17,713	0		86	74
1892	4,654,241	8,200		15,400		12,697	14		56	
1893	6,745,621	187,000		500,817	88,674	18,394	340		1,760	829
1894	7,795,319	528,600		430,400	47,494	21,146	914		1,536	445
1895	6,465,915	628,287		808,083	68,119	17,676	1,143		2,960	646
1896	9,126,844	2,065,849	2,938	628,827	58,827	24,883	3,574	13	2,154	504
1897	8,969,956	3,824,899	6,683	497,960	61,259	24,173	6,960	29	1,734	511
1898	10,562,408	2,068,600	28,582	479,051	54,428	28,528	3,572	121	1,661	472
1899	10,651,968	3,312,835	7,000	508,606	98,186	28,672	6.029	30	1,763	811
1900	16,921,948	5,311,221	64,380	801,529	132,643	45,240	9,182	274	2,892	1,101
1901	19,127,527	10,827,723	0	1,462,269	189,875	50,691	19,750	0	5,298	1,600
1902	22,543,950	11,780,805	0	1,282,112	201,327	60,147	20,292	0	4,540	1,722
1903	23,234,456	8,132,633	0	1,136,934	203,281	61,381	14,755	0	4,049	1,789
1904	21,108,160	6,183,285	395,686	774,261	174,130	56,522	10,632	1,643	2,733	1,461
1905	21,399,566	3,351,373	1,719,970	564,205	225,632	56,576	6,044	7,270	2,008	1,860
1906	19,488,873	9,002,419	1,628,000	983,700	215,144	51,832	15,245	6,632	3,428	1,748
1907	19,058,284	12,578,340	1,863,656	850,996	296,379	50,826	22,929	7,317	2,920	2,453
1908	24,387,516	14,671,115	2,284,536	729,598	228,661	64,611	25,262	9,175	2,539	1,808
1909	23,236,477	9,756,137	1,078,519	559,939	312,491	61,703	17,797	4,128	1,937	2,552
1910	19,026,510	10,724,528	2,309,684	984,225	328,959	50,729	18,410	9,469	3,454	2,575
1911	17,535,165	22,005,596	3,237,579	1,215,767	318,223	46,929	41,105	13,271	4,311	2,548
1912	28,618,681	26,398,288	6,069,276	1,499,384	559,214	75,491	45,196	25,092	5,316	4,161
1913	28,373,351	26,777,718	2,859,266	796,030	507,553	74,348	48,838	11,743	2,792	3,852
1914	30,091,408	16,729,486	6,326,103	1,333,719	500,952	79,297	28,601	25,958	4,676	3,747
1915	25,786,973	31,398,609	4,694,488	1,239,692	541,820	68,472	57,393	18,741	4,353	4,253
1916	29,743,824	29,831,112	7,242,725	2,439,935	493,136	78,359	51,100	27,974	8,631	3,806
1917	37,440,339	43,326,391	8,370,847	1,900,492	535,220	98,502	79,709	34,234	6,889	4,119
1918	35,209,803	50,028,101	13,829,410	2,390,107	590,817	92,992	86,074	54,762	8,505	4,421
1919	16,505,241	25,766,836	11,675,473	2,459,751	967,288	44,542	47,557	47,478	8,793	7,376
1920	20,357,903	30,312,191	10,740,241	1,992,859	670,559	54,772	51,806	43,607	7,007	5,323
1921	26,210,073	7,899,372	2,722,046	1,087,816	657,418	69,305	14,435	10,657	3,894	4,953
1922	33,580,853	31,233,869	5,198,412	1,764,603	504,677	87,835	53,694	20,665	6,197	3,785
1923	26,971,884	43,447,519	4,923,551	1,717,348	934,903	70,783	79,701	19,945	6,112	6,689
1924	19,265,052	50,335,739	9,589,072	1,983,881	1,014,423	51,237	86,319	38,551	7,020	7,338
1925	15,224,856	35,445,923	10,710,309	1,971,502	798,055	40,479	64,729	43,403	7,039	5,884
1926	31,136,383	53,746,500	8,986,618	2,261,291	661,548	81,414	92,343	35,628	7,966	5,019
1927	17,008,935	21,814,218	5,106,164	2,720,021	872,040	44,778	43,305	19,119	9,707	6,627
1928	27,153,623	47,182,228	9,186,190	3,634,375	584,823	70,982	81,486	34,911	12,900	4,601
1929	19,947,787	39,813,508	8,482,300	2,127,412	740,881	52,933	78,058	30,809	7,590	5,755

Continued ...

Table 62. Continued

	I	II	III	IV	V	VI	VII	VIII	IX	X
	Catch (Numbers of Fish)					Catch (Tonnes)				
Year	Sockeye	Pink	Chum	Coho	Chinook	Sockeye	Pink	Chum	Coho	Chinook
1930	10,394,059	59,345,222	5,856,104	3,645,285	842,159	27,930	102,068	22,202	13,006	6,319
1931	20,861,021	40,583,162	5,604,710	1,967,041	619,024	54,939	81,007	21,141	6,893	4,694
1932	25,400,681	35,822,603	8,078,919	2,058,635	840,746	67,174	61,314	31,896	7,206	6,332
1933	31,182,080	38,940,068	6,992,747	1,932,779	583,980	81,135	72,078	27,508	6,843	4,425
1934	30,194,167	72,800,667	7,239,050	2,683,482	520,785	79,232	124,948	27,466	9,502	4,060
1935	10,248,812	49,836,306	8,397,563	2,266,068	756,867	27,655	96,176	32,584	8,089	5,535
1936	34,358,024	77,423,822	11,120,921	2,704,624	838,682	90,330	132,806	43,785	9,482	6,206
1937	31,116,959	66,283,340	8,276,035	1,980,884	1,037,816	81,530	126,088	32,545	7,030	7,566
1938	34,702,921	54,475,034	7,766,155	2,871,157	900,454	90,766	93,211	29,956	10,200	6,533
1939	24,805,072	44,139,321	7,071,341	1,548,501	780,110	66,001	83,989	26,430	5,481	5,649
1940	11,683,054	60,766,448	8,820,882	2,992,893	542,531	31,121	103,851	33,541	10,559	4,059
1941	14,588,087	77,840,467	6,442,216	3,936,571	807,906	38,792	151,438	24,083	14,118	6,123
1942	12,858,737	54,609,282	8,750,942	3,900,311	729,699	34,395	93,536	34,405	13,887	5,590
1943	26,991,204	47,248,602	9,468,957	2,391,171	623,502	70,940	107,522	37,980	8,526	4,939
1944	19,291,466	37,741,458	10,381,469	2,251,742	467,028	50,956	64,658	41,352	8,009	3,646
1945	15,009,628	47,783,264	7,993,082	3,485,949	600,315	39,838	107,226	30,155	12,489	4,571
1946	14,232,961	46,644,431	7,206,867	3,657,306	721,696	37,822	79,838	27,842	12,946	5,423
1947	25,988,660	34,449,579	6,222,053	2,481,223	724,054	68,582	72,782	23,917	8,784	5,688
1948	19,879,369	27,250,403	7,399,083	2,957,214	680,583	51,921	46,415	28,279	10,528	5,267
1949	11,836,969	57,006,433	5,660,070	2,979,478	693,901	31,479	110,165	21,934	10,681	5,406
1950	14,374,000	19,974,002	7,402,005	2,416,399	655,223	37,081	32,693	29,185	8,616	5,415
1951	9,652,809	28,426,126	6,611,466	4,031,069	789,533	25,154	52,132	25,868	14,612	6,517
1952	16,929,161	19,861,571	8,137,595	2,376,308	735,349	43,276	32,575	31,087	8,562	5,718
1953	11,792,649	15,670,958	7,291,810	1,580,382	712,965	30,569	28,068	27,316	5,630	5,589
1954	9,639,367	22,890,468	8,633,843	2,533,225	608,020	25,091	37,194	32,455	9,076	4,814
1955	8,710,557	24,824,931	3,653,665	1,854,666	585,143	22,629	44,910	13,452	6,704	4,590
1956	14,783,364	26,420,634	7,422,994	1,513,168	456,037	38,124	43,477	27,042	5,389	3,726
1957	9,890,836	13,754,110	8,582,060	1,630,184	518,121	25,537	25,136	31,915	5,860	4,095
1958	6,104,194	26,099,286	6,644,575	1,606,821	552,223	15,980	42,717	24,842	5,651	7,590
1959	8,076,566	10,930,384	4,086,169	1,433,242	607,095	20,952	20,066	14,614	5,190	4,728
1960	17,833,959	16,079,307	6,624,911	1,404,257	547,155	39,953	24,035	21,636	4,355	4,153
1961	16,081,305	21,505,774	5,630,788	1,313,776	503,582	43,366	47,822	21,276	5,223	3,874
1962	9,296,679	43,863,834	7,149,278	2,039,085	460,503	23,950	64,710	25,924	6,876	3,953
1963	6,215,401	34,275,653	4,464,296	2,022,292	501,426	15,285	52,967	16,328	7,411	4,079
1964	9,966,090	45,290,762	7,270,790	2,558,339	639,095	24,564	72,975	28,434	9,583	5,253
1965	29,770,492	20,347,335	3,643,768	1,998,285	580,947	63,827	33,967	14,121	8,010	4,974
1966	15,073,351	40,051,296	6,456,297	1,920,568	539,958	42,108	73,962	23,680	7,306	4,241
1967	8,576,399	6,559,219	3,654,353	1,488,836	610,737	24,307	13,129	14,289	5,926	5,308
1968	8,129,647	44,726,603	6,082,252	2,750,969	610,517	22,310	67,485	25,049	9,472	5,092
1969	11,416,818	25,767,375	2,953,091	1,133,030	639,202	29,064	48,264	10,161	3,656	4,862
1970	27,633,925	31,147,347	7,499,629	1,526,841	645,759	68,458	53,211	24,728	5,126	5,253
1971	14,179,616	23,528,374	7,679,330	1,447,853	662,303	39,618	39,303	25,088	5,207	5,419
1972	6,589,614	15,920,388	7,064,734	1,830,775	553,160	18,532	24,410	25,442	6,415	4,342
1973	4,490,201	9,801,866	6,019,777	1,456,750	550,716	15,153	16,475	22,932	4,948	4,551
1974	4,868,864	9,858,733	4,729,958	1,854,627	555,568	13,877	18,653	16,907	6,394	4,026
1975	7,454,674	12,983,767	4,321,547	1,013,667	454,882	19,393	22,666	13,977	3,233	3,149
1976	11,783,189	24,750,844	5,924,676	1,432,306	532,670	34,332	46,457	21,625	5,063	4,044
1977	12,460,300	28,586,800	7,328,300	1,815,300	621,000	40,720	58,765	27,463	6,987	5,489
1978	18,140,400	53,852,600	6,679,100	2,820,900	835,900	52,965	83,458	23,866	9,062	7,396
1979	28,722,100	50,135,500	5,828,800	3,244,300	830,000	77,938	84,750	20,433	10,850	6,842
1980	33,308,700	63,282,000	9,611,000	3,135,300	675,500	84,899	98,873	32,575	10,335	5,671
1981	37,445,000	60,019,000	11,536,000	3,527,000	823,000	105,677	110,983	42,018	12,006	7,142
1982	29,526,600	64,847,000	10,536,700	6,048,800	883,300					

Sources: Tables 54, 55 and 57-61.

Table 63. Estimated commercial and subsistence catches of chum salmon by United States fishermen on the Yukon River, in numbers of fish, 1918-1980 and estimates of numbers and weights of such salmon bound for Canadian sections of the River.

	I	II	III	IV	V	VI	VII	VIII
					Estimated Interceptions		Estimated Interceptions Commercial Only	
Year	Commercial	Subsistence	Adjusted Subsistence	Total	1000 fish	tonnes	1000 fish	tonnes
1918	73,921	1,400,000	1,750,000	1,823,921	364.8	1,156	14.8	47
1919	327,898	269,000	336,250	664,148	132.8	421	65.6	208
1920	155,655	860,000	1,075,000	1,230,655	246.1	780	31.1	99
1921	111,098		591,875	702,973	140.6	446	22.2	70
1922		330,000	412,500	412,500	82.5	262		
1923		435,000	543,750	543,750	108.8	345		
1924		1,130,000	1,412,500	1,412,500	282.5	896		
1925		259,000	323,750	323,750	64.8	205		
1926		555,000	693,750	693,750	138.8	440		
1927		520,000	650,000	650,000	130.0	412		
1928		670,000	837,500	837,500	167.5	531		
1929		537,000	671,250	671,250	134.3	426		
1930		633,000	791,250	791,250	158.3	502		
1931		565,000	706,250	706,250	141.3	448		
1932		1,092,000	1,365,000	1,365,000	273.0	865		
1933		603,000	753,750	753,750	150.8	478		
1934		474,000	592,500	592,500	118.5	376		
1935		537,000	671,250	671,250	134.3	426		
1936		560,000	700,000	700,000	140.0	444		
1937		346,000	432,500	432,500	86.5	274		
1938		340,450	425,563	425,563	85.1	270		
1939		327,650	409,563	409,563	81.9	260		
1940		1,029,999	1,287,499	1,287,499	257.5	816		
1941		438,000	547,500	547,500	109.5	347		
1942		197,000	246,250	246,250	49.3	156		
1943		200,000	250,000	250,000	50.0	159		
1944			402,069	402,069	80.4	255		
1945			402,069	402,069	80.4	255		
1946			402,069	402,069	80.4	255		
1947			402,069	402,069	80.4	255		
1948			402,069	402,069	80.4	255		
1949			402,069	402,069	80.4	255		
1950			402,069	402,069	80.4	255		
1951			402,069	402,069	80.4	255		
1952			402,069	402,069	80.4	255		
1953	5,977	380,000	475,000	480,977	96.2	305	1.2	4
1954	14,375		402,069	416,444	83.3	264	2.9	9
1955			402,069	402,069	80.4	255		
1956	10,742		402,069	412,811	82.6	262	2.1	7
1957			402,069	402,069	80.4	255		
1958		337,500	421,875	421,875	84.4	267		
1959			402,069	402,069	80.4	255		
1960			402,069	402,069	80.4	255		
1961	42,577	407,089	508,861	551,438	110.3	350	8.5	27
1962	53,160	349,141	436,426	489,586	97.9	310	10.6	34
1963		396,125	495,156	495,156	99.0	314		
1964	8,347	481,440	601,800	610,147	122.0	387	1.7	5
1965	23,317	449,131	561,414	584,731	116.9	371	4.7	15
1966	71,045	206,011	257,514	328,559	65.7	208	14.2	45
1967	49,453	274,977	343,721	393,174	78.6	249	9.9	31
1968	67,397	178,507	223,134	290,531	58.1	184	13.5	43
1969	191,860	208,254	260,318	452,178	90.4	287	38.4	122
1970	356,724	222,005	277,506	634,230	126.8	402	71.3	226
1971	289,684	228,649	285,811	575,495	115.1	365	57.9	184
1972	287,844	114,008	142,510	430,354	86.1	273	57.6	182
1973	518,035	214,682	268,353	786,388	157.3	499	103.6	328
1974	879,243	321,587	401,984	1,281,227	256.2	812	175.8	557
1975	984,859	298,479	373,099	1,357,958	271.6	861	197.0	624
1976	761,509	259,199	323,999	1,085,508	217.1	688	152.3	483
1977	797,697	258,606	323,258	1,120,955	224.2	711	159.5	506
1978	1,288,829	293,581	366,976	1,655,805	331.2	1,050	257.8	817
1979	1,165,960	439,328	549,160	1,715,120	343.0	1,087	233.2	739
1980	1,355,884	465,213	581,516	1,937,400	387.5	1,228	271.2	860

Sources Columns I and II: Alaska Dept. Fish Game, Ann. Mgt. Rept., Yukon Area, 1980. Column III: 1918,1919,1922-1943,1953,1958, and 1961-1980 - Column II divided by 0.8 (see text); 1921, average of 1920 and 1922; 1944-1952,1954-1957,1959, and 1960 - average of 1941-1943,1953,1958 and 1961-1969 (see text). Column IV: Sum of Column I plus Column III. Column V: 40% of Column IV. Column VI: Column V converted at 3.17 kg/fish. Column V minus Column III. Column VII: Column VI coverted at 3.17 kg/fish.

Table 64. Estimated commercial and subsistence catches of chinook salmon by United States fishermen on the Yukon River, in numbers of fish, 1918-1980 and estimates of numbers and weights of such salmon bound for Canadian sections of the River.

	I	II	III	IV	V	VI	VII	VIII
					Estimated Interceptions		Estimated Interceptions Commercial Only	
Year	Commercial	Subsistence	Adjusted Subsistence	Total	1000 fish	tonnes	1000 fish	tonnes
1918	12,239		23,644	35,883	14.4	142	4.9	49
1919	104,822		23,644	128,466	51.4	510	41.9	416
1920	58,467	20,000	25,000	83,467	33.4	331	23.4	232
1921	69,646		23,644	93,290	37.3	370	27.9	276
1922	16,825	15,000	18,750	35,575	14.2	141	6.7	67
1923	13,393	17,500	21,875	35,268	14.1	140	5.4	53
1924	27,375		23,644	51,019	20.4	202	11.0	109
1925		15,000	18,750	18,750	7.5	74		
1926		20,500	25,625	25,625	10.3	102		
1927			23,644	23,644	9.5	94		
1928			23,644	23,644	9.5	94		
1929			23,644	23,644	9.5	94		
1930			23,644	23,644	9.5	94		
1931		26,693	33,366	33,366	13.3	132		
1932	4,739	23,160	28,950	33,689	13.5	134	1.9	19
1933	8,829	19,950	24,938	33,767	13.5	134	3.5	35
1934	25,365		23,644	49,009	19.6	194	10.1	101
1935	7,265	20,400	25,500	32,765	13.1	130	2.9	29
1936	20,963	22,750	28,438	49,401	19.8	196	8.4	83
1937	6,226	5,528	6,910	13,136	5.3	52	2.5	25
1938	13,727	19,244	24,055	37,782	15.1	150	5.5	54
1939	9,987	18,050	22,563	32,550	13.0	129	4.0	40
1940	18,053	14,400	18,000	36,053	14.4	143	7.2	72
1941	29,905	17,703	22,129	52,034	20.8	206	12.0	119
1942	22,487		23,644	46,131	18.5	183	9.0	89
1943	27,650		23,644	51,294	20.5	204	11.1	110
1944	14,232		23,644	37,876	15.2	150	5.7	56
1945	19,727		23,644	43,371	17.3	172	7.9	78
1946	22,782		23,644	46,426	18.6	184	9.1	90
1947	54,026		23,644	77,670	31.1	308	21.6	214
1948	33,842		23,644	57,486	23.0	228	13.5	134
1949	36,379		23,644	60,023	24.0	238	14.6	144
1950	41,808		23,644	65,452	26.2	260	16.7	166
1951	56,278		23,644	79,922	32.0	317	22.5	223
1952	38,637		23,644	62,281	24.9	247	15.5	153
1953	58,859		23,644	82,503	33.0	327	23.5	234
1954	64,545		23,644	88,189	35.3	350	25.8	256
1955	55,925		23,644	79,569	31.8	316	22.4	222
1956	62,208		23,644	85,852	34.3	341	24.9	247
1957	63,623		23,644	87,267	34.9	346	25.4	252
1958	63,375	11,890	14,863	78,238	31.3	310	25.4	251
1959	78,370		23,644	102,014	40.8	405	31.3	311
1960	67,597		23,644	91,241	36.5	362	27.0	268
1961	120,260	21,488	26,860	147,120	58.8	584	48.1	477
1962	94,734	11,110	13,888	108,622	43.4	431	37.9	376
1963	116,994	24,862	31,078	148,072	59.2	588	46.8	464
1964	93,587	16,231	20,289	113,876	45.6	452	37.4	371
1965	118,098	16,608	20,760	138,858	55.5	551	47.2	469
1966	93,315	11,572	14,465	107,780	43.1	428	37.3	370
1967	129,706	16,448	20,560	150,266	60.1	596	51.9	515
1968	106,526	12,106	15,133	121,659	48.7	483	42.6	423
1969	90,223	14,000	17,500	107,723	43.1	427	36.1	358
1970	80,269	13,874	17,343	97,612	39.0	387	32.1	319
1971	110,507	25,684	32,105	142,612	57.0	566	44.2	438
1972	92,840	20,258	25,323	118,163	47.3	469	37.1	368
1973	75,353	24,317	30,396	105,749	42.3	420	30.1	299
1974	97,919	19,964	24,955	122,874	49.1	488	39.2	389
1975	63,740	13,045	16,306	80,046	32.0	318	25.5	253
1976	88,671	17,806	22,258	110,929	44.4	440	35.5	352
1977	96,414	17,581	21,976	118,390	47.4	470	38.6	383
1978	97,602	27,391	34,239	131,841	52.7	523	39.0	387
1979	129,056	31,005	38,756	167,812	67.1	666	51.6	512
1980	152,788	42,724	53,405	206,193	82.5	818	61.1	606

Sources Columns I and II: Alaska Dept. Fish Game, Ann. Mgt. Rept., Yukon Area, 1980. Column III: 1918,1919,1921,1927-1930,1942-1957, and 1958-1960 - estimated as the average of all other years. Column IV: Sum of Column I plus Column III. Column V: 40% of Column IV. Column VI: Column V converted at 9.92 kg/fish. Column V minus Column III. Column VII: Column VI converted at 9.92 kg/fish.

Table 65. Estimated interceptions in Southeast Alaska by United States fishermen of sockeye and chum salmon bound for the rivers of British Columbia and for Canadian sections of rivers draining to the sea through Southeast Alaska, in thousands of fish.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
	Sockeye						Chum					
Year	Total Southeast Alaska Catch	Southern Southeast Alaska Catch	Bound for B.C.	Percent of II	Bound for Trans-boundary Rivers	Percent of I	Total Southeast Alaska Catch	Southern Southeast Alaska Catch	Bound for B.C.	Percent of VIII	Bound for Trans-boundary Rivers	Percent of VII
1878	69.0	69.0	41.4	60.0								
1879	85.3	85.3	51.2	60.0								
1880	83.6	83.6	50.1	60.0								
1881	114.7	114.7	68.8	60.0								
1882	147.0	147.0	88.2	60.0								
1883	213.1	105.3	63.2	60.0								
1884	222.1	79.1	47.4	60.0								
1885	134.1	107.7	64.6	60.0								
1886	211.4	98.1	62.1	63.3								
1887	379.5	236.5	101.9	43.1								
1888	531.2	318.9	139.2	43.6								
1889	864.0	317.5	108.3	34.1								
1890	967.2	331.0	125.5	37.9								
1891	1,105.3	334.1	135.2	40.5								
1892	1,005.8	296.7	121.2	40.9	1.3	0.1						
1893	998.3	317.2	132.5	41.8	7.9	0.8						
1894	1,012.7	403.5	152.2	37.7	7.3	0.7						
1895	1,231.6	557.1	141.6	25.4	9.2	0.7						
1896	1,799.8	1,020.2	141.2	13.8	46.3	2.6	2.9					
1897	1,336.4	818.5	93.7	11.4	30.0	2.2	6.7	6.7				
1898	1,428.3	737.2	91.1	12.4	27.7	1.9	27.7					
1899	1,588.0	834.3	95.0	11.4	25.2	1.6	7.0	0.5				
1900	2,437.0	893.2	96.8	10.8	29.6	1.2	63.2	2.3				
1901	1,909.6	415.7	118.9	28.6	32.2	1.7						
1902	2,575.0	378.6	83.8	22.1	43.0	1.7						
1903	2,559.7	368.4	92.3	25.1	34.3	1.3						
1904	3,416.5	1,143.3	139.3	12.2	139.1	4.1	358.4	102.1			0.01	
1905	2,610.5	1,008.9	97.8	9.7	190.2	7.3	1,661.0	342.8				
1906	2,620.9	981.5	102.7	10.5	137.1	5.2	1,374.5	472.9			3.0	0.2
1907	2,201.1	808.4	103.0	12.7	88.9	4.0	1,354.9	437.5	28.8	6.6	46.5	3.4
1908	2,544.7	730.6	104.8	14.3	157.1	6.2	1,824.6	616.1	9.0	1.5	15.4	0.8
1909	2,791.5	723.1	83.4	11.5	169.4	6.1	699.4	249.1	1.5	0.6	2.0	0.3
1910	2,986.9	978.4	114.5	11.7	184.4	6.2	1,996.8	1,121.4	28.2	2.5	19.6	1.0
1911	2,897.0	1,031.9	134.6	13.0	140.6	4.9	2,784.7	1,141.1	11.3	1.0	40.8	1.5
1912	3,018.1	807.8	121.1	15.0	130.8	4.3	5,342.3	2,684.8	93.9	3.5	45.8	0.9
1913	2,218.6	392.0	55.3	14.1	88.7	4.0	2,459.8	1,383.9	55.0	4.0	8.9	0.4
1914	3,501.2	826.3	71.9	8.7	114.0	3.3	5,444.2	3,782.7	89.8	2.4	32.8	0.6
1915	2,825.5	781.3	85.0	10.9	132.2	4.7	3,593.0	2,385.1	117.3	4.9	18.5	0.5
1916	2,381.4	595.8	76.3	12.8	147.4	6.2	4,741.6	2,442.6	123.3	5.0	59.9	1.3
1917	2,622.9	656.9	96.9	14.8	272.0	10.4	6,851.8	3,786.3	148.3	3.9	27.9	0.4
1918	2,821.2	789.1	118.9	15.1	222.6	7.9	9,352.6	2,686.3	112.5	4.2	8.5	0.1
1919	3,262.8	1,240.1	218.0	17.6	214.7	6.6	9,268.5	4,120.0	238.5	5.8	70.4	0.8
1920	2,743.6	941.2	167.6	17.8	203.9	7.4	8,613.4	4,343.6	215.5	5.0	46.5	0.5
1921	1,498.9	329.3	65.7	19.9	113.4	7.6	1,846.8	609.1	15.1	2.5	13.5	0.7
1922	1,900.1	673.3	129.3	19.2	128.1	6.7	3,728.6	2,329.9	143.8	6.2	23.7	0.6
1923	2,410.4	1,006.7	195.2	19.4	175.2	7.3	3,912.6	2,437.1	106.2	4.4	10.4	0.3
1924	2,506.1	1,064.9	224.8	21.1	165.4	6.6	7,266.5	4,375.0	159.6	3.6	18.0	0.2
1925	1,843.5	682.2	115.9	17.0	125.1	6.8	8,188.1	4,454.3	326.4	7.3	22.1	0.3
1926	2,044.7	832.0	153.3	18.4	148.2	7.2	6,105.8	2,578.2	154.1	6.0	21.0	0.3
1927	1,444.6	573.4	92.2	16.1	99.4	6.9	2,219.8	619.9	38.7	6.2	12.1	0.5
1928	1,350.9	453.9	81.7		122.9		4,071.3	2,830.3	121.7		34.1	
1929	1,901.5	623.7	112.3		173.0		2,626.9	1,032.4	44.4		18.4	

Continued ...

Table 65. Continued.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
	Sockeye						Chum					
Year	Total Southeast Alaska Catch	Southern Southeast Alaska Catch	Bound for B.C.	Percent of II	Bound for Trans-boundary Rivers	Percent of I	Total Southeast Alaska Catch	Southern Southeast Alaska Catch	Bound for B.C.	Percent of VIII	Bound for Trans-boundary Rivers	Percent of VII
1930	2,587.4	780.0	140.4		235.5		2,708.5	966.9	41.6		19.0	
1931	1,823.1	882.9	158.9		165.9		2,850.7	1,670.5	71.8		20.0	
1932	1,652.1	626.1	112.7		150.3		5,593.7	2,724.1	117.1		39.2	
1933	1,010.5	412.2	74.2		92.0		4,547.4	1,649.7	70.9		31.8	
1934	1,241.9	455.7	82.0		113.0		3,805.5	1,068.4	45.9		26.6	
1935	1,892.8	735.7	132.4		172.2		5,083.5	2,917.1	125.4		35.6	
1936	2,403.4	1,215.4	218.8		218.7		7,605.9	3,726.4	160.2		53.2	
1937	2,187.2	1,056.2	190.1		199.0		5,556.0	3,042.4	130.8		38.9	
1938	2,535.4	1,071.7	192.9		230.7		4,556.4	2,815.0	121.0		31.9	
1939	2,487.1	1,098.1	197.7		226.3		3,388.8	1,843.4	79.3		23.7	
1940	1,507.3	851.1	153.2		137.2		4,624.8	2,191.5	94.2		32.4	
1941	1,674.4	1,008.0	181.4		152.4		2,959.5	1,592.4	68.5		20.7	
1942	1,566.5	953.6	171.6		142.6		5,441.7	3,156.1	135.7		38.1	
1943	1,123.8	532.5	95.9		102.3		6,833.3	3,136.4	134.9		47.8	
1944	1,722.3	823.4	148.2		156.7		6,881.2	3,048.3	131.1		48.2	
1945	1,683.3	826.4	148.8		153.2		3,318.5	1,779.7	76.5		23.2	
1946	888.2	402.3	72.4		80.8		4,010.2	2,401.5	103.3		28.1	
1947	746.2	249.9	45.0		67.9		3,360.3	2,121.7	91.2		23.5	
1948	524.5	243.9	43.9		47.7		4,004.5	3,094.4	133.1		28.0	
1949	489.8	220.8	39.7		44.6		2,894.3	1,953.4	84.0		20.3	
1950	552.2	245.7	44.2		50.3		4,778.7	3,340.3	143.6		33.5	
1951	819.6	280.9	39.3	14.0	125.3	15.3	4,123.0	1,806.5	54.9	3.0	14.9	0.4
1952	919.3	457.2	60.3	13.2	113.3	12.3	4,178.5	2,497.9	58.3	2.3	36.3	0.9
1953	1,376.5	606.1	153.4	25.3	113.6	8.3	3,541.9	1,466.3	49.5	3.4	45.6	1.3
1954	1,220.2	439.6	83.9	19.1	113.9	9.3	4,243.7	987.5	26.2	2.7	85.5	2.0
1955	747.3	234.2	54.6	23.3	69.4	9.3	1,528.2	388.1	10.4	2.7	20.3	1.3
1956	914.8	337.0	89.7	26.6	70.0	7.7	2,701.3	1,535.4	38.8	2.5	49.8	1.8
1957	1,071.3	501.0	177.6	35.5	78.2	7.3	3,413.1	1,427.5	37.6	2.6	91.3	2.7
1958	1,008.2	541.4	122.0	22.5	59.4	5.9	2,787.0	1,169.1	31.8	2.7	47.4	1.7
1959	890.6	364.5	131.6	36.1	47.0	5.3	1,291.4	522.9	29.1	5.6	28.0	2.2
1960	588.3	210.5	90.8	43.2	51.6	8.8	1,019.2	521.5	45.0	8.6	36.2	3.6
1961	744.5	212.3	71.5	33.7	68.9	9.3	2,559.3	1,044.2	26.8	2.6	32.2	1.3
1962	772.2	346.5	127.8	36.9	61.4	8.0	1,996.4	971.1	23.1	2.4	24.5	1.2
1963	677.9	298.8	110.8	37.1	75.3	11.1	1,478.7	637.2	31.1	4.9	38.1	2.6
1964	923.9	466.2	167.4	40.2	103.3	11.2	1,936.2	1,192.6	55.2	4.6	14.1	0.7
1965	1,085.3	485.4	192.7	39.7	110.7	10.2	1,473.9	289.1	14.7	5.1	10.5	0.7
1966	1,054.1	445.3	88.3	19.8	151.9	14.4	3,273.2	705.6	30.0	4.3	38.2	1.2
1967	971.5	579.9	283.0	48.8	79.0	8.1	1,810.4	289.8	13.0	4.5	24.0	1.3
1968	830.8	309.4	106.0	34.3	80.0	9.6	2,644.3	1,263.2	49.0	3.9	25.0	0.9
1969	811.6	248.7	110.0	44.2	105.0	12.9	561.4	69.8	7.0	10.0	15.0	2.7
1970	667.9	185.1	57.0	30.8	94.0	14.1	2,445.7	643.9	14.0	2.2	84.0	3.4
1971	623.3	236.7	101.8	43.0	115.3	18.5	1,946.1	704.3	18.1	2.6	71.6	3.7
1972	915.7	462.4	169.6	36.7	115.3	12.6	2,942.4	1,029.7	57.1	5.5	125.4	4.3
1973	1,011.5	421.9	200.9	47.6	144.4	14.3	1,832.2	791.1	31.0	3.9	103.4	5.6
1974	687.4	346.0	166.7	48.2	72.0	10.5	1,682.6	695.5	31.4	4.5	72.9	4.3
1975	245.2	114.8	40.2	35.0	50.2	20.5	686.6	373.0	6.4	1.7	11.2	1.6
1976	595.3	256.6	175.4	68.4	76.7	12.9	1,030.9	509.2	13.2	2.6	51.9	5.0
1977	1,085.1	647.7	330.7	51.1	162.8	15.0	738.7	427.5	24.9	5.8	43.4	5.9
1978	788.3	455.2	217.3	47.7	109.8	13.9	869.0	648.6	36.8	5.7	28.7	3.3
1979	1,073.9	552.2	334.8	60.6	154.0	14.3	888.3	330.4	31.7	9.6	47.0	5.3
1980	1,120.4	742.9	429.7	57.8	153.0	13.7	1,651.2	842.0	68.0	8.1	164.0	9.9
1981	1,079.6	720.0	281.4	39.1	175.0	16.2	849.7	351.5	23.2	6.6	63.0	7.4
1982	1,493.4	842.1	336.8	40.0	143.0	9.6	1,359.1	840.0	20.1	2.4	33.0	2.4
1983	1,548.5	949.1	629.0	66.3	33.8	2.2	1,112.4	532.1	64.4	12.1	0.6	0.1
	1924-27 & 1951-54 Average:			18.0		9.1	1924-27 & 1951-54 Average:			4.3		0.7

Sources Columns I & II: Table 57 and ADFG (1984) pp 3-6. Column III: 1878-1927, Table 90; 1928-1950, 18.0% of Column II (See Text); 1951-1966, Table 69; 1967-1982, Fletcher (1984). Column V: 1892-1927, Table 91; 1928-1950, 9.1 % of Column I (See Text); 1951-1966, Table 70; 1967-1982, Fletcher (1984). Columns VII & VIII: Table 59 and ADFG (1984) pp 3-36; Column IX: 1907-1927, Table 93; 1928-1950, 4.3% of Column VIII (See Text); 1951-1966, Table 75; 1967-1982, Fletcher (1984). Column XI: 1904-1927, Table 94; 1928-1950, 0.7% of Column VII (See Text); 1951-1966, Table 73; 1967-1982, Fletcher (1984).

Table 66. Estimated interceptions in Southeast Alaska by United States fishermen of pink salmon bound for the rivers of British Columbia and for Canadian sections of rivers draining to the sea through Southeast Alaska, in thousands of fish.

	I	II	III	IV	V	VI		VII	VIII	IX	X	XI	XII
	Pink (even year)							Pink (odd year)					
Year	Total Southeast Alaska	Total Southern Southeast Alaska	Bound for B.C.	Percent of II	Bound for Trans-boundary Rivers	Percent of I	Year	Total Southeast Alaska	Total Southern Southeast Alaska	Bound for B.C.	Percent of VIII	Bound for Trans-boundary Rivers	Percent of VII
							1889	92.1	92.1	64.5	70.0		
1890							1891	0.0	0.0				
1892	8.2	8.2					1893	187.0	187.0				
1894	528.6	528.6					1895	628.3	628.3				
1896	1,719.9	1,085.9	0.6	0.05			1897	3,481.5	2,326.8	64.5	2.8	7.1	0.2
1898	1,633.6	745.0	3.5	0.5			1899	3,065.0	1,697.5	130.4	7.7		
1900	5,200.5	2,425.0	13.2	0.5			1901	10,234.6	2,265.7	193.1	8.5	2.5	0.02
1902	10,823.9	2,995.0	32.0	1.1	1.3	0.01	1903	7,398.1	1,568.3	102.7	6.5		
1904	5,178.2	2,381.5	6.9	0.3	0.9	0.02	1905	3,060.4	2,059.8	124.3	6.0	8.8	0.3
1906	7,036.4	3,858.9	41.3	1.1	3.7	0.05	1907	11,973.9	8,055.2	893.6	11.1	19.0	0.2
1908	13,592.3	7,119.8	71.1	1.0	19.2	0.1	1909	9,497.5	6,784.2	805.1	11.9	6.9	0.07
1910	9,425.3	6,831.6	40.0	0.6	3.2	0.03	1911	21,408.9	15,251.6	1,440.0	9.4	30.0	0.1
1912	22,011.2	17,140.8	134.4	0.8	9.9	0.04	1913	22,295.6	18,097.8	1,879.5	10.4	15.8	0.07
1914	12,576.4	8,433.4	43.8	0.5	12.7	0.1	1915	30,351.4	17,991.9	1,112.3	6.2	85.1	0.3
1916	19,940.4	8,608.5	97.2	1.1	45.4	0.2	1917	40,327.5	16,706.3	1,718.7	10.3	95.1	0.2
1918	39,287.7	20,020.5	147.0	0.7	15.8	0.04	1919	24,330.9	16,789.1	1,766.5	10.5	59.3	0.2
1920	18,121.4	9,844.3	114.7	1.2	25.0	0.1	1921	7,735.4	4,631.3	283.2	6.1	45.4	0.6
1922	24,001.9	18,494.4	272.1	1.5	8.7	0.04	1923	39,879.2	28,786.3	2,931.3	10.2	20.4	0.05
1924	30,029.3	19,896.5	345.1	1.7	22.0	0.1	1925	28,246.4	22,660.4	2,608.5	11.5	18.2	0.1
1926	32,193.4	19,267.9	252.1	1.3	21.5	0.1	1927	8,163.3	2,581.1	236.7	9.2	38.2	0.5
1928	36,051.2	18,061.7	234.8		108.2		1929	21,848.5	12,999.9	1,170.0		65.5	
1930	43,483.2	21,227.9	276.0		130.4		1931	27,243.5	13,567.3	1,221.1		81.7	
1932	22,605.6	14,784.1	192.2		67.8		1933	25,783.2	15,244.9	1,372.0		77.3	
1934	50,327.9	35,204.3	457.7		151.0		1935	30,247.6	22,982.0	2,068.4		90.7	
1936	50,747.4	37,428.0	486.6		152.2		1937	35,166.4	20,988.4	1,889.0		105.5	
1938	30,288.2	20,206.9	262.7		90.9		1939	23,722.0	17,452.8	1,570.8		71.2	
1940	29,093.7	18,493.2	240.4		87.3		1941	60,061.2	37,016.5	3,331.5		180.2	
1942	33,127.2	19,610.0	254.9		99.4		1943	18,038.8	13,165.4	1,184.9		54.1	
1944	19,344.1	9,948.7	129.3		58.0		1945	21,654.5	16,294.4	1,466.5		65.0	
1946	24,821.8	21,317.9	277.1		74.5		1947	14,041.6	10,680.8	961.3		42.1	
1948	14,352.4	12,770.4	166.0		43.1		1949	43,920.7	33,981.0	3,058.3		131.8	
1950	9,423.8	7,737.0	100.6		28.3		1951	22,220.1	16,392.7	648.9	4.0	96.8	0.4
1952	9,802.7	6,334.9	50.7	0.8	58.8	0.6	1953	4,981.4	3,797.9	579.1	15.2	11.5	0.2
1954	8,909.5	6,462.1	50.1	0.8	33.4	0.4	1955	9,334.0	5,248.3	369.6	7.0	22.9	0.2
1956	13,728.3	10,076.4	123.6	1.2	13.9	0.1	1957	6,857.9	4,683.3	1,994.1	42.6	8.1	0.1
1958	9,837.9	6,459.6	111.9	1.7	78.9	0.8	1959	7,851.3	3,569.3	477.1	13.4	62.7	0.8
1960	2,985.0	1,541.9	28.9	1.9	28.7	1.0	1961	12,637.5	3,874.6	339.1	8.8	183.0	1.4
1962	11,585.2	11,007.3	83.7	0.8	22.8	0.2	1963	19,145.3	5,145.2	1,461.2	28.4	376.8	2.0
1964	18,581.5	11,259.0	77.4	0.7	75.1	0.4	1965	10,879.9	5,710.5	551.8	9.7	4.8	0.04
1966	20,438.2	15,649.7	118.0	0.8	88.6	0.4	1967	3,113.3	641.5	240.0	37.4	13.0	0.4
1968	25,085.4	15,200.7	372.0	2.4	87.0	0.3	1969	4,869.9	1,197.7	357.0	29.8	71.0	1.5
1970	10,657.0	5,411.6	68.0	1.3	104.2	1.0	1971	9,344.8	6,247.6	511.8	8.2	43.3	0.5
1972	12,399.8	9,153.1	196.5	2.1	77.7	0.6	1973	6,455.2	4,551.1	639.1	14.0	44.5	0.7
1974	4,888.8	4,220.9	127.0	3.0	34.3	0.7	1975	4,026.5	3,330.2	81.7	2.5	14.9	0.4
1976	5,329.6	5,157.4	59.8	1.2	14.5	0.3	1977	13,843.6	11,242.2	805.1	7.2	65.3	0.5
1978	21,243.4	18,425.0	296.3	1.6	37.0	0.2	1979	10,977.9	6,992.0	736.1	10.5	149.0	1.4
1980	14,478.3	12,907.3	327.2	2.5	164.0	1.1	1981	18,967.9	13,469.3	2,800.7	20.8	249.0	1.3
1982	24,247.1	12,916.9	452.5	3.5	438.3	1.8	1983	37,388.2	31,446.0	1,961.0	6.2	0.5	.001
	Average 1920-1926 & 1952-1958:			1.3		0.3		Average 1921-1927 & 1951-1955:			9.0		0.3

Sources Columns I & II: Table 58 and ADFG (1984) pp 3-6. Column III: 1896-1927, Table 92; 1928-1950, 1.3% of Column II (See Text); 1951-1966, Table 71; 1968-1982, Fletcher (1984). Column V: 1888-1927, Table 94; 1928-1950, 0.3 % of Column I (See Text); 1951-1966, Table 73; 1967-1982, Fletcher (1984). Columns VII & VIII: Table 58 and ADFG (1984) pp 3-36; Column IX: 1889-1927, Table 92; 1928-1950, 9.0% of Column VIII (See Text); 1951-1966, Table 71; 1967-1982, Fletcher (1984). Column XI: 1904-1927,Table 94; 1928-1950, 0.3% of Column VII (See Text); 1951-1966, Table 73; 1967-1982, Fletcher (1984).

Table 67. Estimated interceptions in Southeast Alaska by United States fishermen of coho and chinook salmon bound for the rivers of British Columbia and for Canadian sections of rivers draining to the sea through Southeast Alaska, in thousands of fish, 1888-1982.

	I	II	III	IV	V	VI	VII	VIII	IX	X
	Coho					Chinook				
Year	Total Southeast Alaska Catch	Bound for B.C.	Percent of I	Bound for Trans-boundary Rivers	Percent of I	Total Southeast Alaska Catch	Bound for B.C.	Percent of VI	Bound for Trans-boundary Rivers	Percent of VI
1888	16.3	5.7	34.9							
1889	11.2	3.9	35.1							
1890	43.9	5.8	13.2							
1891	23.7	3.2	13.3							
1892	15.4	2.6	17.2							
1893	256.8	0.2	0.1			6.0	1.5	25.0		
1894	347.4	1.4	0.4			13.0	1.5	11.5		
1895	628.8	3.7	0.6			12.7	0.8	6.5	2.6	20.7
1896	267.5	14.2	5.3	21.0	7.8	18.7	2.0	10.6	3.2	16.9
1897	282.3	15.4	5.5	13.8	4.9	25.2	2.6	10.4	3.7	14.9
1898	319.9	22.7	7.1			16.9	4.2	25.0	6.9	40.5
1899	308.0	29.9	9.7			37.0	6.1	16.6	9.8	26.4
1900	362.2	18.7	5.2			39.4	1.5	3.8	18.1	46.1
1901	473.6	27.9	5.9	82.7	17.5	39.1	2.5	6.3	15.8	40.3
1902	312.8	9.1	2.9	30.8	9.6	37.8	1.6	4.1	20.9	55.2
1903	857.0	27.9	3.3			45.0	9.0	20.1	2.0	4.4
1904	517.9	38.3	7.4	39.0	7.5	37.1	9.7	26.0	28.5	76.7
1905	399.0	31.4	7.9	27.6	6.9	68.6	18.1	26.4	26.8	39.1
1906	659.2	24.8	3.8	38.6	5.8	42.1	17.3	41.0	18.3	43.4
1907	502.6	30.6	6.1	39.8	7.9	89.1	22.3	25.0	26.9	30.1
1908	457.9	29.3	6.4	33.5	7.3	101.2	36.8	36.4	43.1	42.6
1909	332.4	15.1	4.5	48.6	14.6	113.9	46.6	40.9	41.7	36.6
1910	646.1	21.1	3.3	78.3	12.1	175.6	76.2	43.4	49.6	28.3
1911	901.8	53.6	5.9	43.1	4.8	147.2	52.9	35.9	67.3	45.7
1912	1,099.4	80.7	7.3	78.0	7.1	405.8	186.8	46.0	55.9	13.8
1913	577.2	33.8	5.9	33.9	5.9	353.1	154.5	43.7	47.6	13.5
1914	914.8	38.3	4.2	69.1	7.6	339.0	150.8	44.5	54.2	16.0
1915	870.5	49.1	5.6	60.2	6.9	282.0	124.7	44.2	49.2	17.4
1916	1,587.6	101.4	6.4	122.8	7.7	256.1	116.1	45.3	53.1	20.7
1917	1,469.4	130.2	8.9	82.0	5.6	327.3	135.2	41.3	74.2	22.7
1918	1,629.4	141.9	8.7	48.4	3.0	411.4	173.6	42.2	79.9	19.4
1919	1,804.1	149.3	8.3	81.8	4.5	579.9	268.9	46.4	116.6	20.1
1920	1,141.1	53.0	4.6	51.2	4.5	351.8	140.5	39.9	99.8	28.4
1921	911.6	34.4	3.8	77.8	8.5	446.3	204.8	45.9	104.2	23.3
1922	1,258.9	106.1	8.4	73.6	5.8	344.9	153.7	44.6	57.7	16.7
1923	1,342.1	128.5	9.6	55.4	4.1	790.5	320.6	40.6	185.8	23.5
1924	1,214.9	86.5	7.1	50.0	4.1	836.0	384.2	46.0	203.4	24.3
1925	1,211.9	111.5	9.2	61.7	5.1	600.1	265.3	44.2	106.0	17.7
1926	1,184.7	113.4	9.6	33.3	2.8	452.9	195.0	43.1	77.7	17.2
1927	1,284.5	93.9	7.3	59.5	4.6	627.2	275.1	43.9	96.5	15.4
1928	2,159.4	188.7		95.5		384.6	164.2		75.8	
1929	1,368.4	125.6		63.5		455.5	194.5		89.7	
1930	1,998.5	192.1		97.2		610.0	260.5		120.2	

Continued ...

Table 67. Continued.

	I	II	III	IV	V	VI	VII	VIII	IX	X
	Coho					Chinook				
Year	Total Southeast Alaska Catch	Bound for B.C.	Percent of I	Bound for Trans-boundary Rivers	Percent of I	Total Southeast Alaska Catch	Bound for B.C.	Percent of VI	Bound for Trans-boundary Rivers	Percent of VI
1931	1,152.1	115.8		58.6		460.2	196.5		90.7	
1932	1,389.4	145.7		73.7		626.8	267.6		123.5	
1933	1,223.1	133.6		67.6		427.2	182.4		84.2	
1934	1,956.0	222.3		112.4		339.0	144.8		66.8	
1935	1,759.7	207.6		105.0		641.5	273.9		126.4	
1936	1,799.8	220.3		111.4		681.1	290.8		134.2	
1937	1,399.8	177.4		89.7		879.5	375.5		173.3	
1938	2,199.6	288.4		145.8		757.1	323.3		149.1	
1939	1,122.2	152.1		76.9		652.1	278.4		128.5	
1940	1,838.3	257.1		130.0		428.4	182.9		84.4	
1941	2,515.1	362.8		183.4		612.9	261.7		120.7	
1942	2,211.1	328.6		166.1		558.4	238.4		110.0	
1943	1,680.2	257.1		129.9		398.8	170.3		78.6	
1944	1,306.2	205.6		103.9		328.3	140.2		64.7	
1945	2,587.6	418.5		211.5		438.1	187.1		86.3	
1946	2,366.8	393.2		198.7		568.5	242.7		112.0	
1947	1,546.1	263.6		133.2		496.1	211.8		97.7	
1948	2,145.9	375.3		189.6		480.1	205.0		94.6	
1949	2,279.9	408.7		206.5		480.1	205.0		94.6	
1950	1,651.9	303.3		153.3		378.7	161.7		74.6	
1951	3,310.2	649.4	19.6	281.4	8.5	474.4	200.8	42.3	90.8	19.1
1952	1,743.8	337.8	19.4	145.4	8.3	528.4	213.0	40.3	124.3	23.5
1953	1,163.6	181.6	15.6	139.6	12.0	498.3	206.4	41.4	94.0	18.9
1954	1,770.8	366.8	20.7	161.8	9.1	397.6	159.3	40.1	87.1	21.9
1955	1,338.5	160.3	12.0	119.5	8.9	373.6	142.8	38.2	78.2	20.9
1956	916.5	109.5	11.9	92,8	10.1	239.1	94.2	39.4	61.5	25.7
1957	1,218.5	226.5	18.6	91.6	7.5	300.0	116.7	38.9	55.5	18.5
1958	955.3	153.1	16.0	96.7	10.1	325.2	133.5	41.1	67.5	20.8
1959	1,024.4	113.1	11.0	129.5	12.6	364.7	147.1	40.3	74.7	20.5
1960	720.8	100.5	13.9	57.6	8.0	310.0	130.8	42.2	56.6	18.2
1961	889.4	113.7	12.8	65.6	7.4	229.5	98.1	42.7	48.5	21.1
1962	1,222.5	207.1	16.9	81.0	6.6	205.6	81.2	39.5	45.2	22.0
1963	1,274.5	172.7	13.5	143.6	11.3	258.5	119.8	46.3	29.9	11.6
1964	1,587.9	249.9	15.7	173.3	10.9	357.2	161.8	45.3	38.9	10.9
1965	1,548.3	206.4	13.3	154.1	10.0	287.2	120.6	42.0	28.2	9.8
1966	1,227.3	172.2	14.0	109.5	8.9	308.1	129.1	41.9	34.1	11.1
1967	866.2	70.0	8.1	90.0	10.4	301.0	124.0	41.2	62.0	20.6
1968	1,543.1	174.0	11.3	140.0	9.1	331.6	136.0	41.0	63.0	19.0
1969	596.5	50.0	8.4	49.0	8.2	313.8	125.0	39.8	55.0	17.5
1970	758.7	72.0	9.5	107.2	14.1	322.0	130.0	40.4	36.5	11.3
1971	914.4	106.8	11.7	85.9	9.4	334.0	130.1	39.0	45.8	13.7
1972	1,508.5	232.8	15.4	131.4	8.7	286.8	115.8	40.4	55.4	19.3
1973	836.3	124.1	14.8	190.3	22.8	343.6	129.1	37.6	50.5	14.7
1974	1,278.2	218.1	17.1	92.5	7.2	346.6	142.0	41.0	46.7	13.5
1975	427.4	66.8	15.6	100.3	23.5	300.7	125.6	41.8	26.7	8.9
1976	823.7	130.9	15.9	76.5	9.3	241.8	100.5	41.6	35.8	14.8
1977	944.8	124.2	13.1	91.2	9.7	285.2	114.2	40.0	47.2	16.5
1978	1,714.5	334.1	19.5	108.3	6.3	401.4	154.6	38.5	31.9	7.9
1979	1,284.6	302.3	23.5	62.0	4.8	367.6	146.1	39.7	63.2	17.2
1980	1,136.7	260.6	22.9	120.9	10.6	323.3	131.1	40.6	91.0	28.1
1981	1,406.8	362.9	25.8	92.0	6.5	272.0	109.3	40.2	64.4	23.7
1982	2,137.6	394.1	18.4	87.3	4.1	299.5	112.9	37.7	38.8	13.0
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	Average 1924-1927:		8.3		4.2	Average 1924-27				
	Average 1951-1954:		18.8		9.5	& 1951-54:		42.7		19.7

Sources Column I: Table 60 and ADFG (1984) pp 3-6. Column II: 1888-1927, Table 95; 1928-1950, see Text; 1951-1966, Table 76; 1967-1982, Fletcher (1984). Column IV: 1896-1927, Table 96; 1928-1950, See Text; 1951-1966, Table 77; 1967-1982, Fletcher (1984). Columns VI: Table 61 and ADFG (1984) pp3-36; Column VII: 1893-1927, Table 97; 1928-1950, 42.7% of Column VI (See Text); 1951-1966, Table 78; 1967-1982 Fletcher (1984). Column IX: 1895-1927,Table 98; 1928-1950, 19.7 % of Column VI (See Text); 1951-1966, Table 79; 1967-1982, Fletcher (1984).

Table 60. Sockeye catches in portions of Southeast Alaska Area 1 (Area numbers in brackets indicate Alaska Department of Fish and Game pre-1963 Area numbers), in numbers of fish, 1951-1980.

	I	II	III	IV	V	VI	VII	VIII	IX	X
Year	Subarea 1E (111)	Subarea 1F (112)	Subareas 1A-D (101,102)	Subareas 1A-1F Total	Percent in Subarea 1F	Subarea 1A	Subarea 1B	Subareas 1A+1B Total	Percent Subareas 1A+1B of Subareas 1A-D Total	Percent Subareas 1A+1B of Subareas 1A-F Total
1951	18,516	36,240	46,538	101,294	35.8					
1952	44,867	40,218	86,786	171,871	23.4					
1953	86,272	45,033	144,360	275,665	16.3					
1954	13,597	43,553	48,206	105,356	41.3					
1955	6,957	27,164	38,071	72,192	37.6					
1956	7,932	48,312	87,239	143,483	33.7					
1957	4,226	44,861	66,464	115,551	38.8					
1958	21,138	88,528	165,478	275,144	32.2	5,293	85,207	90,500	54.7	32.9
1959	4,213	22,156	38,380	64,749	34.2	1,573	16,522	18,095	47.1	27.9
1960	827	6,018	28,180	35,025	17.2	391	15,570	15,961	56.6	45.6
1961	1,010	20,257	58,564	79,831	25.4	124	46,663	46,787	79.9	58.6
1962	3,286	27,862	72,551	103,699	26.9	318	48,747	49,065	67.6	47.3
1963				35,993		47	21,990	22,037		61.2
1964				96,390		635	46,435	47,070		48.8
1965				60,004		8	53,558	53,566		89.3
1966				197,082		0	66,063	66,063		33.5
1967				81,609		1,890	72,181	74,071		90.8
1968				122,231						
1969				92,470						
1970				85,826						
1971		7,400		123,468	6.0			116,100		94.0
1972		48,000		188,273	25.5			134,500		71.4
1973		14,400		174,174	8.3			159,800		91.7
1974		23,800		137,607	17.3			113,300		82.3
1975		900		26,738	3.4			25,400		95.0
1976		6,000		123,977	4.8			118,000		95.2
1977		69,000		265,712	26.0			192,700		72.5
1978		92,700		246,503	37.6			153,400		62.2
1979		36,900		126,826	29.1			89,300		70.4
1980		65,400		174,830	37.4			108,800		
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			Average, 1960-1962:		23.1		Average, 1958-1959:		50.9	30.4

Sources: Columns I-III: 1951-1962, Alaska Dept. Fish (1981), unpub.; 1971-1980, Rept. Tech. Comm. Salmon Interceptions (1971-1980).

Column IV: 1951-1962, Sum of Columns I-III; 1963-1979, Alaska Dept. Fish Game (1981), unpub.

Column V: Column II as a percentage of Column IV.

Column VI-VII: Alaska Dept. Fish Game (1968), unpub. data.

Column VIII: 1958-1967, Sum of Columns VI and VII; 1971-1979, Rept. Tech. Comm. Salmon Interceptions (1971-1980).

Column IX: Column VIII as a percentage of Column III.

Column X: Column VIII as a percentage of Column IV.

Table 69. Estimated interceptions in Southeast Alaska by United States fishermen of sockeye salmon bound for the rivers of British Columbia, in numbers of fish, 1951-1966.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI
	Subarea 1A,B		Subarea 1F		Area 2		Area 4		Area 6		Total Inter-
Year	Catch	Int.(75%)	Catch	Int.(10%)	Catch	Int.(10%)	Catch	Int.(60%)	Catch	Int.(10%)	ceptions
1951	23,688	17,766	36,240	3,624	31,103	3,110	17,912	10,747	40,425	4,043	39,290
1952	44,174	33,131	40,218	4,022	39,821	3,982	26,789	16,073	30,491	3,049	60,257
1953	73,479	55,109	45,033	4,503	33,529	3,353	146,081	87,649	27,614	2,761	153,376
1954	24,537	18,403	43,553	4,355	22,484	2,248	91,407	54,844	40,140	4,014	83,065
1955	19,378	14,534	27,164	2,716	18,436	1,844	54,889	32,933	25,950	2,595	54,622
1956	44,405	33,303	48,312	4,831	18,978	1,898	76,897	46,138	35,736	3,574	89,744
1957	33,830	25,373	44,861	4,486	21,637	2,164	233,650	140,190	54,228	5,423	177,635
1958	90,500	67,875	88,528	8,853	38,282	3,828	55,553	33,332	81,504	8,150	122,038
1959	18,095	13,571	22,156	2,216	5,668	567	189,516	113,710	15,668	1,567	131,630
1960	15,961	11,971	6,018	602	2,657	266	128,905	77,343	6,605	661	90,842
1961	46,787	35,090	20,275	2,028	3,774	377	52,068	31,241	28,118	2,812	71,548
1962	49,065	36,799	27,862	2,786	3,953	395	139,358	83,615	42,372	4,237	127,832
1963	22,037	16,528	8,314	831	15,977	1,598	138,369	83,021	87,788	8,779	110,757
1964	47,070	35,303	22,266	2,227	27,629	2,763	231,335	138,801	82,571	8,257	187,350
1965	53,566	40,175	13,861	1,386	25,730	2,573	231,559	138,935	96,222	9,622	192,691
1966	66,063	49,547	45,526	4,553	57,688	5,769	31,225	18,735	97,327	9,733	88,336

Sources Catch statistics: Alaska Dept. Fish Game (1981) and unpub. data (1960)
Interception rates: See text.
Column I: 1951-1957, 50.9% of the Area 101 catch (See text); 1958-1966: Column VIII of Table 69.
Columns II,IV,VI,VIII and X: Application of estimated interception rates (see text) to corresponding catch data in Columns I,III,V,VII, and IX.
Column III: 1951-1962 Area 112 catch; 1963-1966, 23.1% of Area 101 catch.
Columns V,VII and IX: Catches in appropriate statistical areas.

Table 70. Estimated interceptions in Southeast Alaska by United States fishermen of sockeye salmon bound for Canadian sections of rivers draining to the sea through Southeast Alaska, in numbers of fish, 1951-1966 (Areas refer to Alaska Department of Fish and Game Area numbers applying during 1951-1962 and 1963-1966).

	Area 130		Area 142		Area 143		Area 151		Area 153		Area 182		Total Inter-
Year	Catch	Int.(90%)	Catch	Int.(30%)	Catch	Int.(30%)	Catch	Int.(90%)	Catch	Int.(90%)	Catch	Int.(33.3%)	ceptions
1951	21,531	19,378	9,955	2,987	6,405	1,922	84,835	76,352	5,300	4,770	59,571	19,857	125,264
1952	22,831	20,548	2,506	752	5,423	1,627	70,144	63,130	7,150	6,435	62,531	20,844	113,335
1953	29,216	26,294	2,692	808	13,517	4,055	61,631	55,468	14,208	12,787	42,672	14,224	113,636
1954	26,936	24,242	7,375	2,213	17,493	5,248	63,319	56,987	15,289	13,760	34,264	11,421	113,871
1955	11,401	10,261	1,722	517	8,558	2,567	34,377	30,939	13,379	12,041	39,147	13,049	69,374
1956	12,196	10,976	1,419	426	10,161	3,048	38,587	34,728	10,870	9,783	33,256	11,085	70,047
1957	21,267	19,140	5,141	1,542	9,643	2,893	27,226	24,503	20,126	18,113	36,139	12,046	78,239
1958	22,320	20,088	3,692	1,108	13,698	4,109	17,037	15,333	14,939	13,445	15,999	5,333	59,416
1959	19,910	17,919	9,226	2,768	10,032	3,010	13,431	12,088	3,041	2,737	25,503	8,501	47,022
1960	13,652	12,287	517	155	9,067	2,720	26,641	23,977	7,761	6,985	16,502	5,501	51,624
1961	21,608	19,447	832	250	9,498	2,849	35,299	31,769	7,546	6,791	23,399	7,800	68,906
1962	27,515	24,764	1,740	522	19,806	5,942	26,082	23,474	2,090	1,881	14,457	4,819	61,401

	Area 106		Area 108		Area 111		Area 182		Total Inter-
Year	Catch	Int.(30%)	Catch	Int.(90%)	Catch	Int.(90%)	Catch	Int.(33.3%)	ceptions
1963	87,788	26,336	9,997	8,997	27,116	24,404	46,645	15,548	75,286
1964	82,571	24,771	20,301	18,271	35,870	32,283	83,951	27,984	103,309
1965	96,222	28,867	21,419	19,277	27,982	25,184	112,123	37,374	110,702
1966	97,327	29,198	36,710	33,039	34,787	31,308	174,954	58,318	151,863

Sources Catch statistics: Alaska Dept. Fish Game (1981), unpub.
Interception rates: See text.

Table 71. Estimated interceptions in Southeast Alaska by United States fishermen of pink salmon bound for the rivers of British Columbia, in numbers of fish, 1951-1966.

	I	II	III	IV	V
			EVEN-YEAR		
	Subareas 1A,B		Area 4		Total Inter-ceptions
Year	Catch	Int.(9%)	Catch	Int.(5%)	
1952	297,257	26,753	478,693	23,935	50,688
1954	395,726	35,615	289,345	14,467	50,083
1956	393,901	35,451	1,763,366	88,168	123,619
1958	967,063	87,036	496,326	24,816	111,852
1960	42,387	3,815	502,308	25,115	28,930
1962	321,890	28,970	1,094,855	54,743	83,713
1964	162,476	14,623	1,254,927	62,746	77,369
1966	275,634	24,807	1,862,958	93,148	117,955

ODD-YEAR

	Subareas 1A,B		Area 4		Total Inter-ceptions
Year	Catch	Int.(15%)	Catch	Int.(70%)	
1951	1,436,294	215,444	619,260	433,482	648,926
1953	287,578	43,137	765,686	535,980	579,117
1955	228,475	34,271	479,096	335,367	369,638
1957	142,380	21,357	2,818,143	1,972,700	1,994,057
1959	311,899	46,785	614,687	430,281	477,066
1961	218,362	32,754	437,578	306,305	339,059
1963	93,637	14,046	2,067,299	1,447,109	1,461,155
1965	60,772	9,116	775,267	542,687	551,803

Sources Catch data: Alaska Dept. Fish Game (1981), and unpub data (1968).
Column I: 1951-1957, Even years - 12.3% of the Area 101 plus Area 112 catch. Odd years - 21.5% of the Area 101 plus Area 112 catch (See text); 1958-1966, Column VIII of Table 73.

Table 72. Pink catches in portions of new Southeast Alaska Area 1 (Area numbers in brackets indicate Alaska Department of fish and Game pre-1967 Area numbers), in numbers of fish, 1951-1980.

	I	II	III	IV	V	VI	VII	VIII	IX
Year	Area 1E (111)	Area 1F (112)	Area 1A-D (101)	Area 1A-1F Total	Percent in Area 1F	Area 1A	Area 1B	Area 1A+1B Total	% Areas 1A+1B of Areas 1A-F Total
1951	1,045,034	2,498,168	3,137,233	6,680,435	37.4				
1952	403,396	823,233	1,190,091	2,416,720	34.1				
1953	201,357	366,795	769,418	1,337,570	27.4				
1954	349,072	1,051,338	1,816,876	3,217,286	32.7				
1955	68,536	390,126	604,011	1,062,673	36.7				
1956	217,837	1,149,610	1,834,998	3,202,445	35.9				
1957	41,451	237,273	383,510	662,234	35.8				
1958	203,228	1,137,173	2,092,503	3,432,904	33.1	203,111	763,952	967,063	28.2
1959	125,100	311,834	681,800	1,118,734	27.9	148,059	163,840	311,899	27.9
1960	27,228	151,873	430,428	609,529	24.9	15,339	27,048	42,387	7.0
1961	119,102	430,509	426,585	976,196	44.1	12,318	206,044	218,362	22.4
1962	208,086	2,239,740	2,445,012	4,892,838	45.8	57,944	263,946	321,890	6.6
1963				661,796		2,527	91,110	93,637	14.1
1964				2,172,956		1,229	161,247	162,476	7.5
1965				129,398		71	60,701	60,772	47.0
1966				3,510,331		2,714	272,920	275,634	7.9
1967				102,010		3,015	79,297	82,312	80.7
1968				5,633,596					
1969				168,998					
1970				2,218,526					
1971		830,400		901,386	92.1			67,000	7.4
1972		3,054,600		3,632,028	84.1			178,400	4.9
1973		605,200		885,599	68.3			269,700	30.5
1974		1,008,900		1,248,539	80.8			166,600	13.3
1975		150,600		581,538	25.9			123,800	21.3
1976		736,200		985,102	74.7			210,100	21.3
1977		3,307,800		4,496,092	73.6			769,800	17.1
1978		7,037,400		7,782,329	90.4			532,300	6.8
1979		484,000		648,236	74.7			73,400	11.3
1980		4,765,000		5,654,046	84.3			675,500	11.9
						Even-Year Average, 1958-1964:			12.3
						Odd-Year Average, 1959-1963:			21.5

Sources: See Table 69.

Table 73. Estimated interceptions in Southeast Alaska by United States fishermen of pink and chum salmon bound for Canadian sections of rivers draining to the sea through Southeast Alaska, in numbers of fish, 1951-1966 (Areas refer to Alaska Department of Fish and Game Area numbers applying during 1951-1962 and 1963-1966).

	I	II	III	IV	V	VI	VII	VIII	IX	X
	PINK					CHUM				
	Area 130		Area 151		Total Inter-	Area 130		Area 151		Total Inter-
Year	Catch	Int.(35%)	Catch	Int.(100%)	ceptions	Catch	Int.(35%)	Catch	Int.(100%)	ceptions
1951	60,944	21,330	75,469	75,469	96,799	11,395	3,988	10,926	10,926	14,914
1952	5,579	1,953	56,835	56,835	58,788	17,902	6,266	30,074	30,074	36,340
1953	7,718	2,701	8,820	8,820	11,521	34,602	12,111	33,521	33,521	45,632
1954	19,376	6,782	26,630	26,630	33,412	38,927	13,624	71,837	71,837	85,461
1955	17,432	6,101	16,796	16,796	22,897	11,651	4,078	16,240	16,240	20,318
1956	5,739	2,009	11,919	11,919	13,928	30,875	10,806	38,987	38,987	49,793
1957	4,150	1,453	6,633	6,633	8,086	24,526	8,584	82,726	82,726	91,310
1958	15,620	5,467	73,405	73,405	78,872	23,445	8,206	39,161	39,161	47,367
1959	34,965	12,238	50,463	50,463	62,701	6,555	2,294	25,738	25,738	28,032
1960	5,587	1,955	26,780	26,780	28,735	8,200	2,870	33,317	33,317	36,187
1961	52,304	18,306	164,739	164,739	183,045	12,638	4,423	27,767	27,767	32,190
1962	36,416	12,746	10,070	10,070	22,816	20,296	7,104	17,367	17,367	24,471
	Area 108		Area 111		Total Inter-	Area 108		Area 111		Total Inter-
Year	Catch	Int.(35%)	Catch	Int.(77%)	ceptions	Catch	Int.(35%)	Catch	Int.(77%)	ceptions
1963	10,360	3,626	484,599	373,141	376,767	11,159	3,906	44,440	34,219	38,124
1964	114,969	40,239	45,255	34,846	75,086	10,772	3,770	13,435	10,345	14,115
1965	4,731	1,656	4,144	3,191	4,847	2,480	868	12,557	9,669	10,537
1966	61,999	21,700	86,836	66,864	88,563	17,730	6,206	41,561	32,002	38,207

Sources Catch statistics: Alaska Dept. Fish Game (1981).
Interception rates: See text.

Table 74. Chum catches in portions of new Southeast Alaska Area 1 (Area numbers in brackets indicate pre-1967 Area numbers), in numbers of fish, 1951-1980.

	I	II	III	IV	V	VI	VII	VIII	IX	X
Year	Subarea 1E (111)	Subarea 1F (112)	Subarea 1A-D (101,102)	Subareas 1A-1F Total	Percent in Area 1F	Subarea 1A	Subarea 1B	Subareas 1A+1B Total	Percent Subareas 1A+1B of Subareas 1A-1D Total	Percent Subareas 1A+1B of Subareas 1A-1F Total
1951	93,921	165,159	400,855	659,935	25.0					
1952	185,447	223,274	517,878	926,599	24.1					
1953	75,243	58,270	326,295	459,808	12.7					
1954	14,409	61,268	88,525	164,202	37.3					
1955	3,624	31,655	34,140	69,419	45.6					
1956	21,597	92,014	109,384	222,995	41.3					
1957	8,180	64,465	172,721	245,366	26.3					
1958	32,097	106,683	276,292	415,072	25.7	55,445	102,571	158,016	57.2	38.1
1959	5,656	20,796	145,738	172,190	12.1	100,809	26,022	126,831	87.0	73.7
1960	4,208	26,835	166,756	197,799	13.6	44,205	59,390	103,595	62.1	52.4
1961	20,926	59,925	60,208	141,059	42.5	17,984	25,403	43,387	72.1	30.8
1962	13,189	85,892	98,118	197,199	43.6	15,135	29,415	44,550	45.4	22.6
1963				70,191		3,664	37,920	41,584		59.2
1964				245,619		2,492	7,664	10,156		4.1
1965				22,912		1,510	20,243	21,753		94.9
1966				96,081		36	32,782	32,818		34.2
1967				30,091		7,736	21,281	29,017		96.4
1968				419,514						
1969				22,072						
1970				157,271						
1971				88,754				31,100		35.0
1972				372,569				156,800		42.1
1973				131,289				110,000		83.8
1974				191,472				81,800		42.7
1975				44,810				30,300		67.6
1976				63,674				36,300		57.0
1977				141,413				84,300		59.6
1978				242,965				116,800		48.1
1979				89,119				60,900		68.3
1980				391,833				155,100		39.6

								Average, 1958-1962:	64.8	

Sources: See footnotes to Table 68.

Table 75. Estimated interceptions in Southeast Alaska by United States fishermen of chum salmon bound for the rivers of British Columbia, in numbers of fish, 1951-1966.

	I	II	III	IV	V
	Subarea 1A,B		Area 4		Total Interceptions
Year	Catch	Int.(15%)	Catch	Int.(25%)	
1951	259,754	38,963	63,785	15,946	54,909
1952	335,585	50,338	31,762	7,941	58,278
1953	211,439	31,716	71,221	17,805	49,521
1954	57,364	8,605	70,580	17,645	26,250
1955	22,123	3,318	28,338	7,085	10,403
1956	70,881	10,632	112,507	28,127	38,759
1957	111,923	16,788	83,290	20,823	37,611
1958	158,016	23,702	32,503	8,126	31,828
1959	126,831	19,025	40,400	10,100	29,125
1960	103,595	15,539	117,975	29,494	45,033
1961	43,387	6,508	81,048	20,262	26,770
1962	44,550	6,683	65,472	16,368	23,051
1963	41,584	6,238	99,591	24,898	31,135
1964	10,156	1,523	214,882	53,721	55,244
1965	21,753	3,263	45,836	11,459	14,722
1966	32,818	4,923	100,290	25,073	29,995

Sources: Catch data, Alaska Dept. Fish Game (1981) unpub. and unpub. data (1968).
Interception rates - see text.
Column I: 1951-1957, 64.8% of catch in Area 101.

Table 76. Estimated interceptions in Southeast Alaska by United States fishermen of coho bound for the rivers of British Columbia, in numbers of fish, 1951-1966 (Areas refer to Alaska Department of Fish and Game Statistical Area numbers applying during 1951-1962 and 1963-1966 - the latter in brackets).

	I	II	III	IV	V	VI	VII	VIII	IX
	Subarea 1A,B,F 101,102,112 (101)		Area 2 113,114 (102)		Area 3 122,123 (103)		Area 4 121 (104)		Area 5 144 (105)
Year	Catch	Int.(25%)	Catch	Int.(35%)	Catch	Int (10%)	Catch	Int.(35%)	Catch
1951	283,494	70,874	221,983	77,694	228,347	22,835	61,261	21,441	187,761
1952	222,128	55,532	90,705	31,747	102,477	10,248	38,050	13,318	48,939
1953	123,837	30,959	94,207	32,972	59,733	5,973	68,232	23,881	26,769
1954	108,261	27,065	81,943	28,680	79,887	7,989	70,887	24,810	71,675
1955	93,648	23,412	86,393	30,238	73,210	7,321	57,232	20,031	19,453
1956	94,589	23,647	70,264	24,592	35,733	3,573	52,258	18,290	13,876
1957	106,482	26,621	76,809	26,883	100,314	10,031	105,258	36,840	11,236
1958	124,881	31,220	111,484	39,019	82,551	8,255	61,817	21,636	21,487
1959	95,268	23,817	38,741	13,559	62,788	6,279	47,894	16,763	36,839
1960	99,680	24,920	28,350	9,923	42,672	4,267	62,699	21,945	12,587
1961	97,529	24,382	68,929	24,125	78,820	7,882	53,275	18,646	13,504
1962	136,052	34,013	142,763	49,967	52,030	5,203	144,351	50,523	31,426
1963	34,014	8,504	46,644	16,325	115,295	11,530	88,823	31,088	11,408
1964	136,440	34,110	139,623	48,868	108,216	10,822	173,266	60,643	15,656
1965	40,004	10,001	74,511	26,079	103,580	10,358	201,666	70,583	43,091
1966	112,986	28,247	118,488	41,471	97,498	9,750	99,588	34,856	28,789

	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX
	Area 9 154 (109)		Area 13 164 (113) - Net		Area 13 164 (113) - Troll		Area 16 173 (116) - Troll		Total Interceptions
Year	Catch	Int.(10%)	Catch	Int.(9%)	Catch	Int.(45%)	Catch	Int (9%)	
1951	282,739	28,274	47,963	4,317	851,209	383,044	287,849	25,906	649,406
1952	55,756	5,576	4,990	449	459,146	206,616	115,325	10,379	337,779
1953	50,130	5,013	9,789	981	151,602	68,221	128,662	11,580	181,622
1954	95,715	9,572	1,904	171	575,602	259,021	42,002	3,780	366,822
1955	145,260	14,526	5,634	507	88,189	39,685	255,387	22,985	160,261
1956	74,683	7,468	5,974	538	46,735	21,031	102,941	9,265	109,515
1957	52,529	5,253	3,911	352	207,228	93,253	292,806	26,353	226,484
1958	77,064	7,706	8,059	725	83,095	37,393	60,087	5,408	153,082
1959	80,610	8,061	5,597	504	74,417	33,488	85,392	7,685	113,103
1960	21,449	2,145	2,479	223	67,135	30,211	64,631	5,817	100,457
1961	31,734	3,173	12,508	1,126	64,101	28,845	49,553	4,460	113,720
1962	35,818	3,582	3,083	277	123,000	55,350	62,874	5,659	207,088
1963	60,222	6,022	11,993	1,079	216,048	97,222	-	-	172,682
1964	62,901	6,290	3,638	327	194,667	87,600	-	-	249,913
1965	69,906	6,991	24,220	2,180	164,019	73,809	32,803	2,952	206,399
1966	89,256	8,926	2,561	230	102,070	45,932	4,884	440	172,153

Source: Catch Statistics, Alaska Dept. Fish Game (1981)
Interception rates - see text.

Table 77. Estimated interceptions in Southeast Alaska by United States fishermen of coho salmon bound for Canadian sections of rivers draining to the sea through Southeast Alaska, 1951-1966 (Areas refer to Alaska Department of Fish and Game Statistical Area numbers applying during 1951-1962 and 1963-1966).

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
	Area 115		Area 130		Area 142-143		Area 144		Area 151		Area 153	
Year	Catch	Int.(5%)	Catch	Int.(70%)	Catch	Int.(5%)	Catch	Int.(35%)	Catch	Int.(70%)	Catch	Int.(70%)
1951	59,660	2,983	78,891	55,224	97,914	4,896	187,761	65,716	36,451	25,516	73,118	51,183
1952	33,142	1,657	47,054	32,938	31,420	1,571	48,939	17,129	31,182	21,827	41,918	29,343
1953	45,254	2,263	53,865	37,706	27,210	1,361	26,769	9,369	30,618	21,433	23,280	16,296
1954	22,206	1,110	70,477	49,334	81,261	4,063	71,675	25,086	42,769	29,938	13,127	9,189
1955	17,812	891	54,157	37,910	19,767	988	19,453	6,809	40,819	28,573	11,429	8,000
1956	21,589	1,079	39,873	27,911	18,786	939	13,876	4,857	27,921	19,545	22,564	15,795
1957	18,942	947	40,119	28,083	13,641	682	11,236	3,933	27,491	19,244	11,117	7,782
1958	23,562	1,178	45,994	32,196	20,876	1,044	21.487	7,520	24,092	16,864	19,173	13,421
1959	2,696	135	48,461	33,923	11,659	583	36,839	12,894	32,702	22,891	20,782	14,547
1960	1,796	90	27,623	19,336	7,113	356	12,587	4,405	20,390	14,273	8,286	5,800
1961	24,566	1,228	37,428	26,200	12,390	620	13,504	4,726	15,186	10,630	6,800	4,760
1962	49,516	2,476	39,127	27,389	36,129	1,806	31,426	10,999	15,780	11,046	10,712	7,498

	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	XXII	XXIII	XXIV	XXV
	Area 154		Area 164		Area 165		Area 173		Area 181		Area 182		Total
Year	Catch	Int.(7.5%)	Catch	Int.(2%)	Catch	Int.(5%)	Catch	Int.(5%)	Catch	Int.(6%)	Catch	Int.(100%)	Inter-ceptions
1951	282,739	21,205	899,172	17,983	96,274	4,814	338,758	16,938			14,980	14,980	281,438
1952	55,756	4,182	464,136	9,283	50,149	2.507	136,970	6,849			18,094	18,094	145,379
1953	50,130	3,760	161,391	3,228	11,748	587	148,715	7,436			36,154	36,154	139,591
1954	95,715	7,179	577,506	11,550	33,512	1,676	56,031	2,802	9,998	600	19,291	19,291	161.817
1955	145,260	10,895	93,823	1,876	17,852	893	264,591	13,230	7,992	480	8,937	8,937	119,481
1956	74,683	5,601	52,709	1,054	29,058	1,453	130,476	6,524	4,553	273	7,807	7,807	92,838
1957	52,529	3,940	211,139	4,223	8,636	432	296,453	14,823	3,994	240	7,227	7,227	91,554
1958	77,064	5,780	91,154	1,823	8,918	446	79,057	3,953	5,396	324	12,170	12,170	96,719
1959	80,610	6,046	80,014	1,600	28,387	1,419	130,710	6,536	3,837	230	28,679	28,679	129,483
1960	21,449	1,609	69,614	1,392	7,312	366	79,102	3,955	2,014	121	5,932	5,932	57,635
1961	31,734	2,380	76,609	1,532	36,904	1,845	77,682	3,884	1,954	117	7,679	7,679	65,602
1962	35,818	2,686	126,083	2,522	34,424	1,721	85,945	4,297	2,975	179	8,362	8,362	80,982

Continued...

Table 77. Continued

Year	Area 105 Catch	Area 105 Int.(35%)	Area 106 Catch	Area 106 Int.(5%)	Area 108 Catch	Area 108 Int.(70%)	Area 109 Catch	Area 109 Int.(5%)	Area 110 Catch	Area 110 Int (10%)	Area 111 Catch	Area 111 Int.(70%)
1963	11,408	3,993	72,685	3,634	11,897	8,328	60,222	3,011	7,780	778	46,334	32,434
1964	15,656	5,480	104,669	5,233	31,363	21,954	62,901	3,145	38,286	3,829	53,443	37,410
1965	43,091	15,082	115,937	5,797	8,634	6,044	69,906	3,495	20,375	2,038	75,271	52,690
1966	28,789	10,076	108,480	5,424	16,959	11,871	89,256	4,463	14,700	1,470	54,361	38,053

Year	Area 112 Catch	Area 112 Int.(5%)	Area 113 Catch	Area 113 Int.(2%)	Area 114 Catch	Area 114 Int.([illegible])	Area 116/181 Catch	Area 116/181 Int.(6%)	Area 182-30 Catch	Area 182-30 Int.(100%)	Total Inter-ceptions
1963	27,976	1,399	228,041	4,561	335,844	16,792			68,627	68,627	143,557
1964	73,436	3,672	198,305	3,966	233,220	11,661			76,959	76,959	173,309
1965	73,176	3,659	188,239	3,765	325,880	16,294	32,803	1,968	43,313	43,313	154,144
1966	51,734	2,587	104,631	2,093	198,108	9,905	4,907	294	23,226	23,226	109,462

Source: Catch Statistics, Alaska Dept. Fish Game (1981), unpub.
Interception rates - see text.

Table 78. Estimated interceptions in Southeast Alaska by United States fishermen of chinook salmon bound for the rivers of British Columbia, in numbers of fish, 1951-1966 (Areas refer to Alaska Department of Fish and Game Area numbers applying during 1951-1962 and 1963-1966, the latter in brackets).

	I	II	III	IV	V	VI	VII	VIII
	Troll							
	Area 4 121 (104)		Area 13 164 (113)		Area 16 173 (116)		Other Areas	
Year	Catch	Int.(50%)	Catch	Int.(35%)	Catch	Int.(25%)	Catch	Int.(50%)
1951	5,458	2,729	153,605	53,762	29,234	7,309	262,883	131,442
1952	14,896	7,448	159,339	55,769	25,160	6,290	247,481	123,741
1953	26,957	13,479	195,588	68,456	19,819	4,955	220,288	110,144
1954	15,965	7,983	138,795	48,578	22,188	5,547	167,160	83,580
1955	10,491	5,246	113,188	39,616	55,581	13,895	146,700	73,350
1956	5,162	2,581	48,921	17,122	23,954	5,989	119,415	59,708
1957	6,144	3,072	60,057	21,020	61,305	15,326	141,827	70,914
1958	6,572	3,286	59,983	20,994	39,358	9,840	180,008	90,004
1959	18,360	9,180	81,540	28,539	38,866	9,717	179,722	89,861
1960	14,035	7,018	75,085	26,280	26,994	6,749	166,564	83,282
1961	12,793	6,397	52,528	18,385	9,510	2,378	129,445	64,723
1962	8,161	4,081	39,408	13,793	31,113	7,778	94,896	47,448
1963	4,960	2,480	39,897	13,964	-	-	198,748	99,374
1964	14,966	7,483	69,039	24,164	-	-	244,939	122,470
1965	24,585	12,293	37,769	13,219	45,952	11,488	150,280	75,140
1966	31,971	15,986	68,136	23,848	32,946	8,237	148,431	74,216

	XIX	X	XI	XII	XIII	XIV	XV
	Net						
	Area 4 121 (104)		Area 13 164 (113)		Other Areas		
Year	Catch	Int.(50%)	Catch	Int.(35%)	Catch	Int.(25%)	Total Inter-ceptions
1951	115	58	719	252	21,086	5,272	200,821
1952	64	32	75	26	78,978	19,745	213,050
1953	3,498	1,749	17	6	30,264	7,566	206,354
1954	254	127	6,850	2,398	44,162	11,041	159,253
1955	113	57	68	24	42,324	10,581	142,768
1956	31	16	20	7	35,304	8,826	94,248
1957	241	121	38	13	25,002	6,251	116,716
1958	1,541	771	48	17	34,498	8,625	133,535
1959	483	242	12	4	38,428	9,607	147,149
1960	3,281	1,641	35	12	23,079	5,770	130,750
1961	1,990	995	51	18	20,687	5,172	98,066
1962	2,952	1,476	143	50	26,140	6,535	81,161
1963	1,935	968	152	53	11,848	2,962	119,801
1964	4,470	2,235	58	20	21,714	5,429	161,800
1965	6,530	3,265	351	123	20,298	5,075	120,602
1966	2,575	1,288	66	23	21,867	5,467	129,062

Source: Catch Statistics, Alaska Dept. Fish Game (1981), unpub.
Interception rates - see text.

Table 79. Estimated interceptions in Southeast Alaska by United States fishermen of chinook salmon bound for Canadian sections of rivers draining to the sea through Southeast Alaska, in numbers of fish, 1951-1962.

	Area 101-102		Area 111-114		Area 115		Area 130		Area 141		Area 142-144	
Year	Catch	Int.(10%)	Catch	Int.(10%)	Catch	Int.(35%)	Catch	Int.(80%)	Catch	Int.(20%)	Catch	Int.(35%)
1951	34,702	3,470	90,481	9,048	6,636	2,323	9,376	7,501	1,234	247	27,245	9,536
1952	81,145	8,115	59,829	5,983	6,322	2,213	61,144	48,915	4,151	830	13,881	4,858
1953	61,451	6,145	41,656	4,166	7,548	2,642	17,422	13,938	3,247	649	14,599	5,110
1954	47,562	4,756	37,346	3,735	3,894	1,363	30,293	24,234	2,151	430	16,626	5,819
1955	40,341	4,034	37,850	3,785	2,465	863	27,845	22,276	5,188	1,038	10,734	3,757
1956	23,536	2,354	39,675	3,968	1,485	520	18,742	14,994	5,065	1,013	7,836	2,743
1957	33,230	3,323	46,175	4,618	4,952	1,733	9,778	7,822	3,585	717	7,881	2,758
1958	7,266	727	77,863	7,786	4,683	1,639	11,970	9,576	3,133	627	14,109	4,938
1959	6,816	682	73,369	7,337	5,627	1,969	14,529	11,623	3,151	630	14,671	5,135
1960	6,622	662	58,591	5,859	4,928	1,725	12,073	9,658	3,433	687	10,810	3,784
1961	3,904	390	50,741	5,074	5,113	1,790	9,687	7,750	1,987	397	8,240	2,884
1962	4,964	496	29,192	2,919	3,432	1,201	8,293	6,634	3,843	769	7,531	2,636

	Area 151-153		Area 154		Area 164		Area 165		Area 172-173		Area 182		Total
Year	Catch	Int.(80%)	Catch	Int.(35%)	Catch	Int.(10%)	Catch	Int.(35%)	Catch	Int.(10%)	Catch	Int.(100%)	Interceptions
1951	42,954	34,363	12,316	4,311	154,324	15,432	3,620	1,267	31,589	3,159	184	184	90,840
1952	30,529	24,423	17,288	6,051	159,414	15,941	4,485	1,570	32,184	3,218	2,165	2,165	124,282
1953	38,537	30,830	17,098	5,984	195,605	19,561	3,096	1,084	23,150	2,315	1,534	1,534	93,956
1954	26,820	21,456	13,058	4,570	145,645	14,565	5,561	1,946	23,740	2,374	1,833	1,833	87,082
1955	19,950	15,960	13,499	4,725	113,256	11,326	4,639	1,624	59,769	5,977	2,881	2,881	78,244
1956	18,067	14,454	21,308	7,458	48,941	4,894	5,782	2,024	26,709	2,671	4,382	4,382	61,472
1957	11,836	9,469	26,645	9,326	60,095	6,010	4,640	1,624	63,370	6,337	1,800	1,800	55,537
1958	21,343	17,074	36,070	12,625	60,031	6,003	4,082	1,429	42,281	4,228	896	896	67,548
1959	24,816	19,853	36,606	12,812	81,552	8,155	2,695	943	46,251	4,625	967	967	74,732
1960	13,911	11,129	28,228	9,880	75,120	7,512	3,994	1,398	37,445	3,745	525	525	56,563
1961	13,485	10,788	16,608	5,813	52,579	5,258	12,709	4,448	17,409	1,741	2,120	2,120	48,453
1962	10,329	8,263	19,994	6,998	39,551	3,955	14,649	5,127	39,300	3,930	2,278	2,278	45,207

Continued ...

Table 79. Continued

	Area 101-102		Area 105-106		Area 107		Area 108	
Year	Catch	Int.(10%)	Catch	Int.(35%)	Catch	Int.(20%)	Catch	Int.(80%)
1963	37,010	3,701	14,573	5,101	4,000	800	6,105	4,884
1964	48,769	4,877	17,968	6,289	5,813	1,163	5,904	4,723
1965	33,704	3,370	14,361	5,026	4,809	962	5,655	4,524
1966	34,307	3,431	21,240	7,434	3,980	796	6,883	5,506

	Area 109		Area 113-114		Area 116		Area 182-30		Total Inter-ceptions
Year	Catch	Int.(35%)	Catch	Int.(10%)	Catch	Int.(6%)	Catch	Int.(100%)	
1963	10,792	3,777	109,743	10,974			687	687	29,924
1964	11,983	4,194	162,707	16,271			1,373	1,373	38,889
1965	7,028	2,460	80,618	8,062	42,952	2,577	1,235	1,235	28,216
1966	10,482	3,669	97,317	9,732	32,946	1,977	1,513	1,513	34,057

Source: Catch Statistics, Alaska Dept. Fish Game (1981), unpub.
Interception rates - see text.

Table 80. Proportions of Southeast Alaska sockeye catches for which District of landing data were lacking and proportions of sockeye catches within the Revillagigedo and Nakat Bay Districts for which landing site data were not available.

	I	II	III	IV	V	VI	VII	VIII	IX
	Southeast Alaska			Revillagigedo Channel			Nakat Bay District		
		Unallocated to District			Unallocated to Site			Unallocated to Site	
Year	Total Catch	Number	Percent	District Total	Number	Percent	District Total	Number	Percent
1892	1,005,782			18,279					
1893	998,322	127,000	12.7	17,590					
1894	1,012,743	117,000	11.6	13,798					
1895	1,231,586	148,242	12.0	116,968					
1896	1,799,020	114,284	6.3	139,142					
1897	1,336,362		0.0	74,500					
1898	1,428,333	191,641	13.4	113,998					
1899	1,587,988	268,809	16.9	182,232					
1900	2,436,976	261,899	10.7	198,036					
1901	1,909,597	388,886	20.4						
1902	2,574,992	582,592	22.6						
1903	2,559,677	553,359	21.6						
1904	3,416,470	59,286	1.7	222,540	157,697	70.9			
1905	2,610,549		0.0	151,390	151,390	100.0			
1906	2,620,860	12,034	0.5	206,089	103,093	50.0	8,260		
1907	2,201,071	5,189	0.2	221,076			17,043		
1908	2,544,671	18,200	0.7	103,883			30,264		
1909	2,791,461		0.0	50,460			4,648	1,500	32.3
1910	2,986,006	2,100	0.1	198,113			28,444		
1911	2,896,988	43,691	1.5	189,218			25,565		
1912	3,018,060	5,850	0.2	113,368	132	0.1	16,271		
1913	2,218,591	9,843	0.4	50,787	9,995	19.7	2,009	2,009	100.0
1914	3,501,203	2,676	0.1	77,881	25,953	33.3	4,601		
1915	2,825,543	72,917	2.6	118,759	42,410	35.7	14,779		
1916	2,381,350	76,031	3.2	78,596	20,285	25.8	5,993		
1917	2,622,899	18,331	0.7	79,214	20,246	25.6	36,999		
1918	2,821,190	92,636	3.3	87,200	33,065	37.9	16,160		
1919	3,262,799	49,218	1.5	126,504	20,685	16.4	64,948	748	1.2
1920	2,743,624	95,536	3.5	121,033	30,645	25.3	29,706		
1921	1,498,933	25,984	1.7	4,165	915	22.0	12		
1922	1,900,123	40,296	2.1	103,768	5,541	5.3	17,039		
1923	2,410,357	71,949	3.0	145,912		0.0	43,709		
1924	2,506,115	31,835	1.3	193,318	3,349	1.7	52,029		
1925	1,843,510	26,341	1.4	88,240	11,785	13.4	46,680		
1926	2,044,708	27,767	1.4	195,654	18,224	9.3	59,120		
1927	1,444,563	4,409	0.3	58,366	1,157	2.0	23,145	213	0.9

Sources Column I: Table 58. Column II: Rich and Ball (1933), Table 28. Column III: Column II as a percentage of Column I.
Columns IV and V: Rich and Ball (1933), Table 26.
Column VI: Column V as a percentage of Column IV.
Column VII and VIII: Rich and Ball (1933), Table 27.
Column IX: Column VIII as a percentage of Column VII.

Table 81. Estimated catches of sockeye salmon in an area equivalent to ADF&G Subareas 1A plus 1B, in numbers of fish, 1906-1927.

	I	II	III	IV	V
	Catches (number of fish)				
Year	Nakat Bay District	Foggy Bay	Foggy Point	Tree Point	Total
1906	8,260				8,260
1907	17,043				17,043
1908	30,264	366			30,630
1909	4,648				4,648
1910	28,444	676			29,120
1911	25,565	236			25,801
1912	16,271				16,271
1913	2,009	15			2,024
1914	4,601				4,601
1915	14,779	576			15,355
1916	5,993	610			6,603
1917	36,999	243			37,242
1918	16,160	49			16,209
1919	64,948	6,076		17,017	88,041
1920	29,706		5,585	22,458	57,749
1921	12				12
1922	17,039	2,250	10,562	15,742	45,593
1923	43,709	599	37,216	36,643	118,167
1924	52,029	20,370	44,504	32,113	149,016
1925	46,680	2,209	4,750	6,226	59,865
1926	59,120	30,082		18,432	107,634
1927	23,145	206	9,441	6,966	39,758

Sources Column I: Rich and Ball (1933), Table 27. Columns II,III and IV: Rich and Ball (1933), Table 26. Column V: Sum of Tables I to IV.

Table 82. Estimated catches of pink salmon in an area equivalent to ADF&G Subareas 1A plus 1B, in numbers of fish, 1906-1927.

	I	II	III	IV	V
	Catches (number of fish)				
Year	Nakat Bay District	Foggy Bay	Foggy Point	Tree Point	Total
1906	5,040				5,040
1907	2,405				2,405
1908	102,218	27,205			129,423
1909	99,277				99,277
1910	4,223	12,858			17,081
1911	287,715	9,979			297,694
1912	591,947				591,947
1913	378,328	35,849			414,177
1914	144,753				144,753
1915	493,593	36,910			530,503
1916	781,447	14,753			796,200
1917	1,057,386	570			1,057,956
1918	912,965	30,262			943,227
1919	542,046	81,552		179,061	802,659
1920	438,040		69,344	158,953	666,337
1921	5,062				5,062
1922	943,591	144,783	379,986	375,330	1,843,690
1923	1,273,076	17,391	680,227	758,832	2,729,526
1924	1,707,428	280,718	279,977	354,100	2,622,223
1925	628,490	40,981	194,099	51,029	914,599
1926	570,345	373,100		228,853	1,172,298
1927	184,525	439	42,265	33,106	260,335

Source: Rich and Ball, 1933: Tables 26 & 27.

Table 83. Estimated catches of chum salmon in an area equivalent to ADF&G Subareas 1A plus 1B, in numbers of fish, 1907-1927.

	I	II	III	IV	V
	Catches (number of fish)				
Year	Nakat Bay District	Foggy Bay	Foggy Point	Tree Point	Total
1907	114				114
1908	2,762	3			2,765
1909					0
1910	1,705				1,705
1911	5,219				5,219
1912	17,944				17,944
1913	8,800	3,602			12,402
1914	14,910				14,910
1915	15,091	6			15,097
1916	53,673	117			53,790
1917	298,231	34			298,265
1918	192,633	18			192,651
1919	122,673	2,551		10,320	135,544
1920	191,738		4,262	54,887	250,887
1921	45				45
1922	57,038	3,084	28,242	13,326	101,690
1923	151,008	139	33,716	36,769	221,632
1924	167,300	38,915	59,418	22,356	287,989
1925	203,044	2,504	19,921	10,155	235,624
1926	112,409	35,461		17,201	165,071
1927	34,428	118	10,671	6,853	52,070

Sources Column I: Rich and Ball (1933), Table 27. Columns II,III and IV: Rich and Ball (1933), Table 26. Column V: Sum of Tables I to IV.

Table 84. Catches of sockeye salmon in an area equivalent to ADF&G Subarea 2 plus 1F, in numbers of fish, 1888-1927.

	I	II	III	IV	V	VI	VII	VIII	IX	X
	Catches (number of fish)									
Year	Southern Clarence St. District	Lyman Anchorage	Narrow Point	Niblack Point	Thorne Bay	Tolstoi Bay	Tolstoi Point	Windfall Harbor	Total Portions	Total Catch
1888	30,020									30,020
1889	15,521				10,790				10,790	26,311
1890	42,788				35,516				35,516	78,304
1891	68,876				14,456				14,456	83,332
1892	38,993									38,993
1893	40,537									40,537
1894	73,477									73,477
1895	94,023									94,023
1896	212,023				5,000				5,000	217,023
1897	157,821									157,821
1898	144,607									144,607
1899	91,774									91,774
1900	91,858									91,858
1901										0
1902										0
1903										0
1904	314,741									314,741
1905	300,810									300,810
1906	321,438					14			14	321,452
1907	169,515					1,860			1,860	171,375
1908	215,696					530			530	216,226
1909	182,723				73				73	182,796
1910	268,398									268,398
1911	190,020									190,020
1912	193,766			2,714	311				3,025	196,791
1913	83,922			4,167	82	45		1	4,295	88,217
1914	271,165	5		3,828	16	88		11	3,948	275,113
1915	205,567	448	146	4,206	1,000	159		48	6,007	211,574
1916	157,171	5	11	4,554	467	1,306			6,343	163,514
1917	153,989	21	713		21,793	104			22,631	176,620
1918	224,180		1,242	12,212	2,343	150		4,552	20,499	244,679
1919	397,982	185	3	26,229	4,492	643			31,552	429,534
1920	259,004		391	9,579	179	70	445		10,664	269,668
1921	128,370									128,370
1922	172,066		3,359	9,115	208	2			12,684	184,750
1923	237,640	29	2,511	15,660	281	232	232		18,945	256,585
1924	297,939		11,447	7,091		652			19,190	317,129
1925	171,466		5,179	5,082			908		11,169	182,635
1926	165,433	1,762	4,028	7,264		6	1,810	1,231	16,101	181,534
1927	131,828	2,463	5,533	3,105			23	808	11,932	143,760

Sources Columns I to VIII: Rich and Ball (1933), Table 23. Column IX: Sum of Columns II to VIII. Column X: Sum of Columns I to IX.

Table 85. Catches of sockeye salmon in an area equivalent to ADF&G Area 6, in numbers of fish, 1889 to 1927.

	I	II	III	IV	V	VI	VII	VIII	IX	X
	Catches (number of fish)									
Year	Northern Clarence St. District	Lyman Anchorage	Narrow Point	Niblack Point	Thorne Bay	Tolstoi Bay	Tolstoi Point	Windfall Harbor	Total Portions	Estimated Area 6C Catch
1889	10,790				10,790				10,790	0
1890	35,516				35,516				35,516	0
1891	14,456				14,456				14,456	0
1892										
1893										
1894										
1895										
1896	29,375				5,000				5,000	24,375
1897	19,712									19,712
1898	28,838									28,838
1899	28,612									28,612
1900	33,290									33,290
1901										
1902										
1903										
1904	51,621									51,621
1905	73,552									73,552
1906	75,091					14			14	75,077
1907	116,325					1,860			1,860	114,465
1908	53,328					530			530	52,798
1909	54,587				73				73	54,514
1910	46,437									46,437
1911	61,283									61,283
1912	80,212			2,714	311				3,025	77,187
1913	47,021			4,167	82	45		1	4,295	42,726
1914	150,040	5		3,828	16	88		11	3,948	146,092
1915	107,222	448	146	4,206	1,000	159		48	6,007	101,215
1916	90,122	5	11	4,554	467	1,306			6,343	83,779
1917	103,497	21	713		21,793	104			22,631	80,866
1918	139,909		1,242	12,212	2,343	150		4,552	20,499	119,410
1919	174,801	185	3	26,229	4,492	643			31,552	143,249
1920	132,819		391	9,579	179	70	445		10,664	122,155
1921	35,749									35,749
1922	73,496		3,359	9,115	208	2			12,684	60,812
1923	158,724	29	2,511	15,660	281	232	232		18,945	139,779
1924	147,209		11,447	7,091		652			19,190	128,019
1925	125,296		5,179	5,082			908		11,169	114,127
1926	169,500	1,762	4,028	7,264		6	1,810	1,231	16,101	153,399
1927	150,644	2,463	5,533	3,105			23	808	11,932	138,712

Continued...

Table 85. Continued

	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	XXII	XXIII	XXIV
	Catch (Number of fish)													
Year	Baker Point	Barrie Point	Blind Slough	Castle River	Colpoys Point	Douglas Bay	Duncan Canal	Kah Sheets Bay	Pine Point	Red Bay	St. Johns Harbor	Totem Bay	Wrangell Narrows	Estimated Area 6 Catch
1889														0
1890														0
1891														0
1892		4,467												4,467
1893														
1894														
1895														
1896										16,340				40,723
1897		692						4,118		12,004				36,526
1898										24,000				52,838
1899														28,612
1900										11,243				44,533
1901														
1902														
1903														
1904		14,538	58				18,713			19,697		2		104,629
1905		5,436					11,284			20,393				110,665
1906		17,873					6,109			18,240				117,299
1907		9,002					10,407			21,628				155,502
1908	496	7,508					12,740			28,270			146	101,958
1909		11,682					14,237			19,527				99,960
1910		10,488					12,529			34,008			230	103,772
1911		9,049					3,154			15,170		274		88,930
1912		4,326					2,633			9,898			60	94,104
1913		1,825			10,681	786				9,171				65,189
1914		3,313				216	625	715		7,657				158,618
1915	11	269				42		2,066		5,683		20	2,468	111,774
1916		6,017			25,531		1,793			10,839	156	628		128,743
1917	1	2,601			12,291		361	3,824		12,185		43	168	112,340
1918	2	836			40,196			3,210		3,581		70	245	167,550
1919	4,532	13,232			42,019		61	6,507		6,640		104	5,103	221,607
1920	2,055	2,280			39,284			5,428		3,738		390	239	175,569
1921		2,646						2,836		553			1,050	42,834
1922	1,394	7,689	50		19,179			3,259	1	504	1,400		395	94,633
1923		9,434	77		37,566			3,146	235	10,962		75	1,040	210,314
1924		8,711	1,682		18,490			2,531		6,850		465	290	167,038
1925	28	4,765							2,000	7,693		653		138,146
1926	4,818	9,406		1,138	20,266			1,844				2		190,873
1927	17,939	996			11,430			4,055					853	173,985

Sources Columns I-VIII: Rich and Ball (1933), Table 23. Column IX: Sum of Columns II to VIII. Column X: Column IX subtracted from Column I. Columns XI-XXIII: Rich and Ball (1933), Table 18. Column XXIV: Sum of Columns X to XXIII.

Table 86. Catches of salmon in the west coast of Prince of Wales Island District, in numbers of fish, 1878-1927.

Year	I Sockeye	II Pink	III Chum	IV Coho	V Chinook
1878	69,024				
1879	85,289				
1880	83,552				
1881	114,703				
1882	146,953				
1883	105,286				
1884	79,080				
1885	107,600				
1886	98,131				
1887	120,654				
1888	164,316			14,528	
1889	156,834	92,094			
1890	146,444			15,331	
1891	153,301			9,033	
1892	154,277			4,700	
1893	170,729				
1894	197,376				
1895	167,878			3,830	
1896	183,157	11,286		17,582	
1897	123,760	92,180		15,960	
1898	103,643	69,620		22,087	
1899	116,690	186,252		62,441	
1900	117,660	264,367		31,784	
1901	167,126	275,826		55,197	
1902	93,017	640,807		12,717	
1903	109,579	146,662		45,203	
1904	157,601	138,060		57,073	
1905	94,492	177,506		51,666	
1906	87,787	816,710		20,176	
1907	95,844	1,276,004	115,073	44,737	1,000
1908	83,304	1,108,613	34,166	36,733	9,200
1909	86,062	1,128,819	5,904	25,148	10,350
1910	92,329	769,349	111,932	19,565	18,050
1911	145,613	1,993,339	41,972	81,967	45,222
1912	133,040	1,621,614	364,812	115,819	109,685
1913	64,132	2,596,303	212,673	60,544	156,973
1914	41,848	615,402	350,217	60,635	115,406
1915	68,567	1,475,264	460,292	64,711	101,410
1916	70,178	511,792	460,869	159,594	22,497
1917	66,856	2,228,607	414,197	204,509	88,243
1918	109,158	1,241,460	334,377	167,490	49,652
1919	144,828	2,351,619	872,536	187,948	72,727
1920	132,989	1,095,091	711,299	53,680	23,814
1921	80,896	403,423	60,432	1,013	37,750
1922	111,974	2,123,150	514,194	101,095	36,985
1923	99,787	3,602,621	291,801	79,177	54,202
1924	107,669	2,181,431	465,640	45,924	28,895
1925	66,250	3,530,504	1,164,392	86,751	77,580
1926	58,869	2,931,112	517,490	93,474	39,215
1927	51,048	282,323	123,528	55,766	15,200

Source: Rich and Ball (1933), Table 21 (1878 to 1895 sockeye data includes unreported sockeye catches from Klawak, from Column IV of Table 55).

Table 87. Estimated catches of salmon in the Stikine River District, in numbers of fish, 1895-1927.

	I	II	III	IV	V
Year	Sockeye	Pink	Chum	Coho	Chinook
1895					3,294
1896	30,000			30,000	3,958
1897	21,206	20,394		19,722	4,680
1898					8,565
1899					12,215
1900					
1901	9,000	7,000		8,000	3,269
1902	7,691	3,836		1,157	3,793
1903					181
1904	29,921	2,082		31,438	3,905
1905	34,220	25,106		5,871	9,270
1906	25,292	10,711	8,563	14,637	2,663
1907	10,221	8,884	5,027	14,868	14,871
1908	34,095	49,487	20,403	1,600	17,572
1909	24,470	19,708	5,614	15,997	22,782
1910	36,937	7,655	9,135	33,233	23,113
1911	22,621	15,119	5,663	20,713	34,430
1912	5,935	2,331	1,596	37,070	25,155
1913	4,987	20,575	19	4,450	30,586
1914	31,183	4,643	1,676	24,400	11,247
1915	21,184	145,109	2,502	13,652	6,237
1916	23,837	89,902	4,476	68,104	4,853
1917	55,229	159,473	24,546	30,777	5,414
1918	6,908	45,107	5,475	24,386	7,767
1919	22,898	26,291	12,010	44,618	12,939
1920	40,634	2,386	9,840	18,265	25,216
1921	13,441	15,467	1,570	17,503	1,274
1922	18,662	906	1,381	15,560	13,308
1923	33,269	23,972	3,461	3,342	66,853
1924	32,559	5,860	4,071	7,104	16,583
1925	21,533	12,612	5,294	20,996	4,518
1926	5.662	3,530	7,312	3,926	2,242
1927	4,871	3,332	1,524	16,864	1,379

Source: Rich and Ball, 1933: Table 19.

Table 88. Catches of salmon in the Stephens Pass district, in numbers of fish, 1900-1927.

Year	I Sockeye	II Pink	III Chum	IV Coho	V Chinook
1900	117,878	93,881	30,180	16,292	22,653
1901	199,924	485,997		110,185	16,444
1902	264,917	587,979		42,802	22,300
1903	291,108	892,890		67,973	2,284
1904	85,673	182,058	63,340	24,290	31,681
1905	140,226	71,936	68,690	33,428	24,270
1906	87,966	204,447	39,374	40,449	20,166
1907	36,737	215,820	44,770	41,981	18,701
1908	106,492	263,707	46,693	46,094	18,208
1909	130,389	120,145	6,562	53,449	16,417
1910	125,784	187,000	77,625	78,663	20,054
1911	34,885	32,911	38,865	40,824	45,017
1912	76,443	633,903	209,348	74,328	9,608
1913	47,329	358,951	48,924	43,896	12,331
1914	41,252	288,405	121,390	73,540	18,130
1915	71,202	490,242	84,833	61,337	12,480
1916	44,986	304,607	249,633	101,751	13,265
1917	117,742	2,497,167	319,065	63,451	13,685
1918	43,858	2,074,337	652,869	35,621	14,523
1919	57,188	259,228	371,215	57,374	14,711
1920	51,665	600,006	295,328	53,401	24,503
1921	41,987	205,110	63,589	87,240	30,098
1922	47,591	697,325	232,499	85,658	7,850
1923	57,884	802,092	166,045	66,323	30,038
1924	62,389	1,989,561	309,581	59,922	21,398
1925	33,799	359,399	328,490	53,804	19,308
1926	76,063	1,889,245	467,077	34,113	8,683
1927	27,256	284,211	103,294	47,620	8,824

Sources: 1900-1903, Rich and Ball (1933), Table 9: 1904-1927, Rich and BAll (1933), Table 10.

Table 89. Estimated catches of salmon in Taku Inlet, in numbers of fish, 1904-1927.

	I	II	III	IV	V
Year	Sockeye	Pink	Chum	Coho	Chinook
1904	50,599	128	7	13,568	29,214
1905	72,353			20,630	22,362
1906	48,724				2,696
1907	23,937	15,908	44,770	41,981	10,701
1908	38,862	1,842	8,286	32,352	10,757
1909	69,000			36,889	7,384
1910	58,304	500	16,425	46,397	21,597
1911	34,885	24,661	38,865	40,824	45,017
1912	19,892	9,059	45,255	38,440	8,088
1913	14,014	8,635	8,891	17,647	9,985
1914	20,378	11,043	32,211	46,731	16,996
1915	30,300	34,355	17,652	37,108	12,099
1916	16,431	13,902	58,318	58,182	13,048
1917	32,721	39,272	19,357	32,251	8,239
1918	36,600		6,561	25,239	7,781
1919	35,060	50,117	66,157	33,350	9,713
1920	30,134	24,162	43,088	34,076	21,977
1921	24,044	40,000	13,000	57,047	10,049
1922	26,920	8,373	23,192	34,882	6,474
1923	8,791	12,030	9,224	24,845	12,900
1924	22,314	19,988	16,565	24,825	17,088
1925	19,685	13,832	20,212	40,066	16,232
1926	39,028	20,241	18,462	26,836	7,801
1927	11,103	37,032	11,530	41,160	8,177

Source: Rich and Ball, (1933), Table 10.

Table 90. Estimated interceptions in Southeast Alaska by United States fishermen of sockeye salmon bound for the rivers of British Columbia, in numbers of fish, 1878-1927.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII
	Total Southeast Alaska	Subarea 1A,B		Area 2 Subarea 1F		Area 4		Area 6		Unallocated		Total Inter-	Percent
Year	Catch	Catch	Int.(75%)	Catch	Int.(10%)	Catch	Int.(60%)	Catch	Int.(10%)	Catch	Int.(4.8%)	ceptions	of I
1878	69,024					69,024	41,414					41,414	
1879	85,289					85,289	51,174					51,174	
1880	83,552					83,552	50,131					50,131	
1881	114,703					114,703	68,822					68,822	
1882	146,953					146,953	88,172					88,172	
1883	213,086					105,286	63,172					63,172	
1884	222,080					79,080	47,448					47,448	
1885	134,088					107,688	64,613					64,613	
1886	211,407					103,555	62,133					62,133	
1887	379,498					169,824	101,894					101,894	
1888	531,180			30,020	3,002	226,918	136,151					139,153	
1889	864,018			26,311	2,631	176,195	105,717					108,348	
1890	967,188			78,304	7,830	196,133	117,680					125,510	
1891	1,105,340			83,332	8,333	211,512	126,907					135,240	
1892	1,005,782			38,993	3,899	194,832	116,899	4,467	447			121,245	
1893	998,322			40,537	4,054	203,895	122,337			127,000	6,096	132,487	
1894	1,012,743			73,477	7,348	232,098	139,259			117,000	5,616	152,222	
1895	1,231,586			94,023	9,402	208,404	125,043			148,242	7,116	141,561	
1896	1,799,820			217,023	21,702	183,157	109,894	40,723	4,072	114,284	5,486	141,154	
1897	1,336,362			157,821	15,782	123,760	74,256	36,526	3,653			93,691	
1898	1,428,333			144,607	14,461	103,643	62,186	52,838	5,284	191,641	9,199	91,129	
1899	1,587,988			91,774	9,177	116,690	70,014	28,612	2,861	268,809	12,903	94,955	
1900	2,436,976			91,858	9,186	117,660	70,596	44,533	4,453	261,899	12,571	96,806	
1901	1,909,597					167,126	100,276			388,886	18,667	118,942	
1902	2,574,992					93,017	55,810			582,592	27,964	83,775	
1903	2,559,677					109,579	65,747			553,359	26,561	92,309	
1904	3,416,470			314,741	31,474	157,601	94,561	104,629	10,463	59,286	2,846	139,343	4.1
1905	2,610,549			300,810	30,081	94,492	56,695	110,665	11,067			97,843	3.7
1906	2,620,860	8,260	6,195	321,452	32,145	87,787	52,672	117,299	11,730			102,742	3.9
1907	2,201,071	17,043	12,782	171,375	17,138	95,844	57,506	155,502	15,550			102,976	4.7
1908	2,544,671	30,630	22,973	216,226	21,623	83,304	49,982	101,958	10,196			104,773	4.1
1909	2,791,461	4,648	3,486	182,796	18,280	86,062	51,637	99,960	9,996			83,399	3.0
1910	2,986,886	29,120	21,840	268,398	26,840	92,329	55,397	103,772	10,377			114,454	3.8
1911	2,896,988	25,801	19,351	190,020	19,002	145,613	87,368	88,930	8,893			134,614	4.6
1912	3,018,060	16,271	12,203	196,791	19,679	133,040	79,824	94,104	9,410			121,117	4.0
1913	2,218,591	2,024	1,518	88,217	8,822	64,132	38,479	65,189	6,519			55,338	2.5
1914	3,501,203	4,601	3,451	275,113	27,511	41,848	25,109	158,618	15,862			71,933	2.1
1915	2,825,543	15,355	11,516	211,574	21,157	68,567	41,140	111,774	11,177			84,991	3.0
1916	2,381,350	6,603	4,952	163,514	16,351	70,178	42,107	128,743	12,874			76,285	3.2
1917	2,622,899	37,242	27,932	176,620	17,662	66,856	40,114	112,340	11,234			96,941	3.7
1918	2,821,198	16,209	12,157	244,679	24,468	109,158	65,495	167,550	16,755			118,874	4.2
1919	3,262,799	88,041	66,031	429,534	42,953	144,828	86,897	221,607	22,161			218,042	6.7
1920	2,743,624	57,749	43,312	269,668	26,967	132,989	79,793	175,569	17,557			167,629	6.1
1921	1,498,933	12	9	128,370	12,837	80,896	48,538	42,834	4,283			65,667	4.4
1922	1,900,123	45,593	34,195	184,750	18,475	111,974	67,184	94,633	9,463			129,317	6.8
1923	2,410,357	118,167	88,625	256,585	25,659	99,787	59,872	210,314	21,031			195,187	8.1
1924	2,506,115	149,016	111,762	317,129	31,713	107,669	64,601	167,038	16,704			224,780	9.0
1925	1,843,518	59,865	44,899	182,635	18,264	66,250	39,750	130,146	13,015			115,927	6.3
1926	2,044,708	107,634	80,726	181,534	18,153	58,869	35,321	190,873	19,087			153,288	7.5
1927	1,444,563	39,758	29,819	143,760	14,376	51,048	30,629	173,985	17,399			92,222	6.4
												1904-1927 Average:	4.8

Sources Catch Statistics: Column I: Table 58. Column II: Column V of Table 82. Column IV: Column X of Table 85. Column VI: Column I of Table 87. Column VIII: Column XXIV of Table 86. Column X: Column II of Table 81
Interception rates: See text.

Table 91. Estimated interceptions in Southeast Alaska by United States fishermen of sockeye salmon bound for Canadian sections of rivers flowing to the sea through Southeast Alaska, in numbers of fish, 1892-1927.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII
	Total Southeast Alaska	Area 8		Area 6		Area 11		Alsek River		Unallocated		Total Inter-	Percent
Year	Catch	Catch	Int.(90%)	Catch	Int.(30%)	Catch	Int.(90%)	Catch	Int.(100%)	Catch	Int.(6.2%)	ceptions	of I
1892	1,005,782			4,467	1,340							1,340	
1893	998,322									127,000	7,874	7,874	
1894	1,012,743									117,000	7,254	7,254	
1895	1,231,586									148,242	9,191	9,191	
1896	1,799,820	30,000	27,000	40,723	12,217					114,284	7,086	46,303	
1897	1,336,362	21,206	19,085	36,526	10,958							30,043	
1898	1,428,333			52,838	15,851					191,641	11,882	27,733	
1899	1,587,988			28,612	8,584					268,809	16,666	25,250	
1900	2,436,976			44,533	13,360					261,899	16,238	29,598	
1901	1,909,597	9,000	8,100							388,886	24,111	32,211	
1902	2,574,992	7,691	6,922							582,592	36,121	43,043	
1903	2,559,677									553,359	34,308	34,308	
1904	3,416,470	29,921	26,929	104,629	31,389	85,673	77,106			59,286	3,676	139,099	
1905	2,610,549	34,220	30,798	110,665	33,200	140,226	126,203					190,201	7.3
1906	2,620,860	25,292	22,763	117,299	35,190	87,966	79,169					137,122	5.2
1907	2,201,071	10,221	9,199	155,502	46,651	36,737	33,063					88,913	4.0
1908	2,544,671	34,095	30,686	101,958	30,587	106,492	95,843					157,116	6.2
1909	2,791,461	24,470	22,023	99,960	29,988	130,389	117,350					169,361	6.1
1910	2,986,886	36,937	33,243	103,772	31,132	125,784	113,206	6,770	6,770			184,351	6.2
1911	2,896,988	22,621	20,359	88,930	26,679	34,885	31,397	62,133	62,133			140,567	4.9
1912	3,018,060	5,935	5,342	94,104	28,231	76,443	68,799	28,433	28,433			130,804	4.3
1913	2,218,591	4,987	4,488	65,189	19,557	47,329	42,596	22,013	22,013			88,654	4.0
1914	3,501,203	31,183	28,065	158,618	47,585	41,252	37,127	1,253	1,253			114,030	3.3
1915	2,825,543	21,184	19,066	111,774	33,532	71,202	64,082	15,485	15,485			132,165	4.7
1916	2,381,350	23,837	21,453	128,743	38,623	44,986	40,487	46,838	46,838			147,402	6.2
1917	2,622,899	55,229	49,706	112,340	33,702	117,742	105,968	82,578	82,578			271,954	10.4
1918	2,821,198	6,908	6,217	167,550	50,265	43,858	39,472	126,630	126,630			222,584	7.9
1919	3,262,799	22,898	20,608	221,607	66,482	57,188	51,469	76,098	76,098			214,658	6.6
1920	2,743,624	40,634	36,571	175,569	52,671	51,665	46,499	68,120	68,120			203,860	7.4
1921	1,498,933	13,441	12,097	42,834	12,850	41,987	37,788	50,701	50,701			113,436	7.6
1922	1,900,123	18,662	16,796	94,633	28,390	47,591	42,832	40,044	40,044			128,062	6.7
1923	2,410,357	33,269	29,942	210,314	63,094	57,884	52,096	30,070	30,070			175,202	7.3
1924	2,506,115	32,559	29,303	167,038	50,111	62,389	56,150	29,821	29,821			165,386	6.6
1925	1,843,518	21,533	19,380	130,146	39,044	33,799	30,419	36,262	36,262			125,105	6.8
1926	2,044,708	5,662	5,096	190,873	57,262	76,063	68,457	17,394	17,394			148,208	7.2
1927	1,444,563	4,871	4,384	173,985	52,196	27,256	24,530	18,277	18,277			99,387	6.9
												Average 1905-1927:	6.2

Sources   Catch Statisticcs: Column I: Table 58. Column II: Column I of Table 87. Column IV: Column XXIV of Table 86. Column VI: Column I of Table 88. Column VIII: Rich and Ball (1933), Table 1. Column X: Column II of Table 81.
Interception rates: See text.

Table 92. Estimated interceptions in Southeast Alaska by United States fishermen of pink salmon bound for the rivers of British Columbia, in numbers of fish, 1889-1926.

	I	II	III	IV	V		VI	VII	VIII	IX	X
	Pink (even-year)						Pink (odd-year)				
	Subareas 1A,B		Area 4		Total Inter-		Subareas 1A,B		Area 4		Total Inter-
Year	Catch	Int.(9%)	Catch	Int.(5%)	ceptions	Year	Catch	Int.(15%)	Catch	Int.(70%)	ceptions
						1889			92,094	64,466	64,466
1890						1891					
1892						1893					
1894						1895					
1896			11,286	564	564	1897			92,180	64,526	64,526
1898			69,620	3,481	3,481	1899			186,252	130,376	130,376
1900			264,367	13,218	13,218	1901			275,826	193,078	193,078
1902			640,807	32,040	32,040	1903			146,662	102,663	102,663
1904			138,860	6,943	6,943	1905			177,506	124,254	124,254
1906	5,040	454	816,710	40,836	41,289	1907	2,405	361	1,276,004	893,203	893,564
1908	129,423	11,648	1,188,613	59,431	71,079	1909	99,277	14,892	1,128,819	790,173	805,065
1910	17,081	1,537	769,349	38,467	40,005	1911	297,694	44,654	1,993,339	1,395,337	1,439,991
1912	591,947	53,275	1,621,614	81,081	134,356	1913	414,177	62,127	2,596,303	1,817,412	1,879,539
1914	144,753	13,028	615,402	30,770	43,798	1915	530,503	79,575	1,475,264	1,032,685	1,112,260
1916	796,200	71,658	511,792	25,590	97,248	1917	1,057,956	158,693	2,228,607	1,560,025	1,718,718
1918	943,227	84,890	1,241,460	62,073	146,963	1919	802,659	120,399	2,351,619	1,646,133	1,766,532
1920	666,337	59,970	1,095,091	54,755	114,725	1921	5,062	759	403,423	282,396	283,155
1922	1,843,690	165,932	2,123,150	106,158	272,090	1923	2,729,476	409,421	3,602,621	2,521,835	2,931,256
1924	2,622,223	236,000	2,181,431	109,072	345,072	1925	914,599	137,190	3,530,504	2,471,353	2,608,543
1926	1,172,298	105,507	2,931,112	146,556	252,062	1927	260,335	39,050	282,323	197,626	236,676

Sources Catch Statistics: Columns I and VI: Column V of Table 83. Columns III and VIII: Column II of Table 87.
Interception rates: See text.

Table 93. Estimated interceptions in Southeast Alaska by United States fishermen of chum salmon bound for the rivers of British Columbia, in numbers of fish, 1907-1927.

	I	II	III	IV	V
	Subarea 1A,B		Subarea 4		Total Inter-ceptions
Year	Catch	Int.(15%)	Catch	Int.(25%)	
1907	114	17	115,073	28,768	28,785
1908	2,765	415	34,166	8,542	8,956
1909			5,904	1,476	1,476
1910	1,705	256	111,932	27,983	28,239
1911	5,219	783	41,972	10,493	11,276
1912	17,944	2,692	364,812	91,203	93,895
1913	12,402	1,860	212,673	53,168	55,029
1914	14,910	2,237	350,217	87,554	89,791
1915	15,097	2,265	460,292	115,073	117,338
1916	53,790	8,069	460,869	115,217	123,286
1917	298,265	44,740	414,197	103,549	148,289
1918	192,651	28,898	334,377	83,594	112,492
1919	135,544	20,332	872,536	218,134	238,466
1920	250,887	37,633	711,299	177,825	215,458
1921	45	7	60,432	15,108	15,115
1922	101,690	15,254	514,194	128,549	143,802
1923	221,632	33,245	291,801	72,950	106,195
1924	287,989	43,198	465,640	116,410	159,608
1925	235,624	35,344	1,164,392	291,098	326,442
1926	165,071	24,761	517,490	129,373	154,133
1927	52,078	7,811	123,526	30,882	38,693

Sources Catch Statistics: Column I: Column V of Table 84. Column III: Column III of Table 87.
Interception rates: See text.

Table 94. Estimated interceptions in Southeast Alaska by United States fishermen of pink and chum salmon bound for Canadian sections of rivers draining to the sea through Southeast Alaska, in numbers of fish, 1897-1927.

	I	II	III	IV	V	VI	VII	VIII	IX	X
	PINK					CHUM				
	Area 8		Taku Inlet		Total Interceptions	Area 8		Taku Inlet		Total Interceptions
Year	Catch	Int.(35%)	Catch	Int.(100%)		Catch	Int.(35%)	Catch	Int.(100%)	
1897	20,394	7,138			7,138					
1898										
1899										
1900										
1901	7,000	2,450			2,450					
1902	3,836	1,343			1,343					
1903										
1904	2,082	729	128	128	857			7	7	7
1905	25,106	8,787			8,787					
1906	10,711	3,749			3,749	8,563	2,997			2,997
1907	8,884	3,109	15,908	15,908	19,017	5,027	1,759	44,770	44,770	46,529
1908	49,487	17,320	1,842	1,842	19,162	20,403	7,141	8,286	8,286	15,427
1909	19,708	6,898			6,898	5,614	1,965			1,965
1910	7,655	2,679	500	500	3,179	9,135	3,197	16,425	16,425	19,622
1911	15,119	5,292	24,661	24,661	29,953	5,663	1,982	38,865	38,865	40,847
1912	2,331	816	9,059	9,059	9,875	1,596	559	45,255	45,255	45,814
1913	20,575	7,201	8,635	8,635	15,836	19	7	8,891	8,891	8,898
1914	4,643	1,625	11,043	11,043	12,668	1,676	587	32,211	32,211	32,798
1915	145,109	50,788	34,355	34,355	85,143	2,502	876	17,652	17,652	18,528
1916	89,902	31,466	13,902	13,902	45,368	4,476	1,567	58,318	58,318	59,885
1917	159,473	55,816	39,272	39,272	95,088	24,546	8,591	19,357	19,357	27,948
1918	45,107	15,787			15,787	5,475	1,916	6,561	6,561	8,477
1919	26,291	9,202	50,117	50,117	59,319	12,010	4,204	66.157	66,157	70,361
1920	2,386	835	24,162	24,162	24,997	9,840	3,444	43,088	43,088	46,532
1921	15,467	5,413	40,000	40,000	45,413	1,570	550	13,000	13,000	13,550
1922	906	317	8,373	8,373	8,690	1,381	483	23,192	23,192	23,675
1923	23,972	8,390	12,030	12,030	20,420	3,461	1,211	9,224	9,224	10,435
1924	5,860	2,051	19,988	19,988	22,039	4,071	1,425	16,565	16,565	17,990
1925	12,612	4,414	13,832	13,832	18,246	5,294	1,853	20,212	20,212	22,065
1926	3,530	1,236	20,241	20,241	21,477	7,312	2,559	18,462	18,462	21,021
1927	3,332	1,166	37,032	37,032	38,198	1,524	533	11,530	11,530	12,063

Sources Catch Statistics: Column I: Column II of Table 87. Column III: Column II of Table 89. Column VI: Column III of Table 87. Column VIII: Column III of Table 89.
Interception Rates: See text.

Table 95. Estimated total catches of coho salmon in certain Southeast Alaska districts, and interceptions by United States fishermen of coho bound for the rivers of British Columbia, in numbers of fish, 1888-1927.

	I	II	III	IV	V	VI	VII	VIII	IX	X
	Nakat Bay		Southern Clarence Strait		Cordova Bay		West Coast of Prince of Wales Island		Sumner Strait	
Year	Catch	Int.(25%)	Catch	Int.(35%)	Catch	Int.(10%)	Catch	Int.(35%)	Catch	Int.(4%)
1888			1,739	609			14,528	5,085		
1889			11,246	3,936						
1890					4,403	440	15,331	5,366		
1891							9,033	3,162		
1892			1,541	539			4,700	1,645		
1893			524	183						
1894			3,974	1,391						
1895			3,805	1,332			3,830	1,341	19,575	783
1896			7,090	2,482	39,578	3,958	17,582	6,154	30,675	1,227
1897			13,136	4,598	44,985	4,499	15,960	5,586	16,596	664
1898			21,470	7,515	62,731	6,273	22,087	7,730	28,430	1,137
1899			4,681	1,638	52,694	5,269	62,441	21,854	27,263	1,091
1900			6,867	2,403	38,630	3,863	31,784	11,124	33,345	1,334
1901					33,638	3,364	65,197	22,819	44,037	1,761
1902					20,000	2,000	12,717	4,451	33,300	1,332
1903					80,000	8,000	45,203	15,821	91,085	3,643
1904			37,325	13,064	25,432	2,543	57,073	19,976	22,335	893
1905			24,471	8,565	19,044	1,904	51,666	18,083	16,098	644
1906			40,764	14,267	10,050	1,005	20,176	7,062	15,042	602
1907			35,143	12,300	15,535	1,554	44,737	15,658	4,945	198
1908	440	110	37,009	12,953	17,804	1,780	36,733	12,857	3,621	145
1909	502	126	12,249	4,287	10.361	1,036	25,148	8,802	1,905	76
1910	95	24	32,317	11,311	14,686	1,469	19,565	6,848	2,349	94
1911	4,034	1,009	52,338	18,318	10,203	1,020	81,867	28,653	13,701	548
1912	5,621	1,405	90,997	31,849	35,522	3,552	115,819	40,537	29,334	1,173
1913			25,184	8,814	2,872	287	60,544	21,190	21,223	849
1914	1,606	402	34,982	12,244	20,206	2,021	60,635	21,222	21,901	876
1915	304	76	62,703	21,946	13,946	1,395	64,711	22,649	38,697	1,548
1916	6,324	1,581	84,019	29,407	24,482	2,448	159,594	55,858	46,616	1,865
1917	32,281	8,070	100,798	35,279	24,466	2,447	204,509	71,578	50,166	2,007
1918	15,983	3,996	143,274	50,146	31,935	3,194	167,490	58,622	80,563	3,223
1919	20,387	5,097	154,048	53,917	46,163	4,016	187,948	65,782	51,474	2,059
1920	10,258	2,565	62,463	21,862	6,119	612	53,680	18,788	33,029	1,321
1921	90	23	58,142	20,350	697	70	1,013	355	7,080	283
1922	17,268	4,317	145,074	50,776	19,389	1,939	101,095	35,383	50,211	2,008
1923	19,835	4,959	183,469	64,214	22,455	2,246	79,177	27,712	35,954	1,438
1924	16,766	4,192	128,741	45,059	29,904	2,990	45,924	16,073	57,096	2,284
1925	21,325	5,331	106,207	37,172	28,373	2,837	86,751	30,363	47,391	1,896
1926	10,347	2,587	104,936	36,728	31,008	3,101	93,474	32,716	54,922	2,197
1927	4,474	1,119	43,053	15,069	17,862	1,786	55,766	19,518	39,927	1,597

Continued ...

Table 95. Continued.

	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX
	Southern Chatham Strait		West Coast of Chicagov Island Nets		West Coast of Chicagov Island Troll		Icy Strait Troll		Total Inter- ceptions
Year	Catch	Int.(10%)	Catch	Int.(9%)	Catch	Int.(45%)	Catch	Int.(9%)	
1888									5,693
1889									3,936
1890									5,806
1891									3,162
1892	4,635	464							2,648
1893	293	29							213
1894									1,391
1895	2,036	204							3,739
1896	3,607	361							14,181
1897	957	96							15,442
1898									22,655
1899									29,853
1900									18,725
1901									27,944
1902	13,500	1,350							9,133
1903	4,033	403							27,868
1904	18,000	1,800							38,276
1905	17,000	1,700	5,924	533					31,429
1906	16,500	1,650	2,116	190					24,776
1907	8,540	854							30,563
1908	13,000	1,300	1,177	106					29,251
1909	5,150	515	2,751	248					15,089
1910	6,100	610	8,362	753					21,108
1911	13,920	1,392	22,120	1,991	1,472	662			53,594
1912	6,354	635	10,534	948	1,394	627			80,727
1913	14,284	1,428	13,955	1,256					33,825
1914	5,557	556	10,336	930					38,250
1915	10,062	1,006	3,165	285	487	219			49,124
1916	69,621	6,962	13,788	1,241	4,531	2,039			101,400
1917	86,714	8,671	16,230	1,461	1,558	701			130,214
1918	127,430	12,743	25,340	2,281	17,077	7,685	101	9	141,897
1919	167,920	16,792	18,127	1,631					149,294
1920	62,206	6,221	18,623	1,676					53,044
1921	77,620	7,762	6,028	543	11,050	4,973			34,357
1922	53,614	5,361	24,888	2,240	9,146	4,116			106,141
1923	80,023	8,002	16,305	1,467	40,994	18,447			128,406
1924	111,470	11,147	9,582	862	8,543	3,844			86,460
1925	114,076	11,408	5,875	529	48,792	21,956			111,492
1926	98,183	9,818	3,639	328	57,607	25,923	218	20	113,417
1927	101,319	10,132	13,371	1,203	76,869	34,591	98,459	8,861	93,876

Sources Catch statistics: Rich and Ball (1933), Column I: Table 27. Column III: Table 23. Column V: Table 22. Column VII: Table 21. Column IX: Tables 17 and 18. Column XI: Table 4. Column XIII: Total catch from Table 13 minus troll catch from Table 15. Column XV: Table 15. Column XVII: Table 2.
Interception rates: See text.

Table 96. Estimated interceptions in Southeast Alaska by United States fishermen of coho salmon bound for Canadian sections of rivers draining to the sea through Southeast Alaska, in numbers of fish, 1896-1927.

	I	II	III	IV	V	VI	VII	VIII
	All Gear				Troll			
	Stikine River		Stephen's Pass		Sumner Strait		Chatham Strait	
Year	Catch	Int.(70%)	Catch	Int.(70%)	Catch	Int.(35%)	Catch	Int.(5%)
1896	30,000	21,000						
1897	19,722	13,805						
1898								
1899								
1900			16,292	11,404				
1901	8,000	5,600	110,185	77,130				
1902	1,157	810	42,802	29,961				
1903			67,973	47,581				
1904	31,438	22,007	24,290	17,003				
1905	5,871	4,110	33,488	23,442				
1906	14,637	10,246	40,449	28,314				
1907	14,868	10,408	41,981	29,387				
1908	1,600	1,120	46,094	32,266				
1909	15,997	11,198	53,449	37,414				
1910	33,233	23,263	78,663	55,064				
1911	20,713	14,499	40,824	28,577				
1912	37,070	25,949	74,328	52,030	84	29	24	1
1913	4,450	3,115	43,896	30,727				
1914	24,400	17,080	73,540	51,478	365	128	614	31
1915	13,652	9,556	61,337	42,936	21,543	7,540	3,401	170
1916	68,104	47,673	101,751	71,226	5,024	1,758	41,569	2,078
1917	30,777	21,544	63,451	44,416	34,877	12,207	71,991	3,600
1918	24,386	17,070	25,621	17,935	23,456	8,210	85,933	4,297
1919	44,618	31,233	57,374	40,162	15,564	5,447	99,073	4,954
1920	18,265	12,786	53,401	37,381	262	92	18,750	938
1921	17,503	12,252	87,240	61,068	3,710	1,299	58,673	2,934
1922	15,560	10,892	85,658	59,961	3,550	1,243	25,684	1,284
1923	3,342	2,339	66,323	46,426	11,185	3,915	35,668	1,783
1924	7,104	4,973	59,922	41,945	2,039	714	44,375	2,219
1925	20,996	14,697	53,804	37,663	10,326	3,614	81,046	4,052
1926	3,926	2,748	34,113	23,879			78,506	3,925
1927	16,864	11,805	47,620	33,334	12,781	4,473	54,055	2,743

Continued ...

Table 96. Continued.

	IX	X	XI	XII	XIII	XIV	XV
	Troll (continued)						
	Fredrick Sound		West Coast Chicagov Island		Icy Strait		Total Inter-ceptions
Year	Catch	Int.(10%)	Catch	Int.(2%)	Catch	Int.(5%)	
1896							21,000
1897							13,005
1898							
1899							
1900							
1901							82,730
1902							30,771
1903							
1904							39,010
1905							27,551
1906							30,560
1907							39,794
1908	1,329	133					33,519
1909	19	2					48,614
1910							78,327
1911			1,472	29			43,105
1912			1,394	28			78,037
1913	625	63					33,905
1914	4,066	407					69,123
1915	50	5	407	10			60,217
1916			4,531	91			122,826
1917	1,920	193	1,558	31			81,990
1918	5,698	570	17,077	342	101	5	48,428
1919							81,795
1920							51,195
1921	40	4	11,050	221			77,777
1922			9,146	183			73,562
1923	1,483	148	40,994	820			55,432
1924	69	7	8,543	171			50,028
1925	7,130	713	48,792	976			61,715
1926	16,247	1,625	57,607	1,152	218	11	33,340
1927	6,950	695	76,869	1,537	98,459	4,923	59,510

Table 97. Estimated interceptions in Southeast Alaska by United States fishermen of chinook salmon bound for the Rivers of British Columbia, in numbers of fish, 1893-1927.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI
	All Gear						Troll				
	West Coast Prince of Wales Island		West Coast Chicagov Island		Other Areas *		Icy Strait		Other Areas		Total
Year	Catch	Int.(50%)	Catch	Int.(35%)	Catch	Int.(25%)	Catch	Int.(25%)	Catch	Int.(50%)	Interceptions
1893					6,000	1,500					1,500
1894					6,000	1,500					1,500
1895					3,294	824					824
1896					7,916	1,979					1,979
1897					10,439	2,610					2,610
1898					16,929	4,232					4,232
1899					24,499	6,125					6,125
1900					6,043	1,511					1,511
1901					9,849	2,462					2,462
1902					6,269	1,567					1,567
1903					36,181	9,045					9,045
1904					33,750	8,438			2,454	1,227	9,665
1905					63,714	15,929			4,341	2,171	18,099
1906					8,714	2,179			30,190	15,095	17,274
1907	1,000	500			49,357	12,339			18,930	9,465	22,304
1908	9,200	4,600			36,351	9,088			46,272	23,136	36,824
1909	10,350	5,175			41,309	10,327			62,201	31,101	46,603
1910	18,050	9,025			35,642	8,911			116,483	58,242	76,177
1911	45,222	22,611			77,292	19,323			21,922	10,961	52,895
1912	109,685	54,843			51,589	12,897			238,152	119,076	186,816
1913	156,973	78,487	11,481	4,018	71,552	17,888			108,121	54,061	154,453
1914	115,406	57,703	16,390	5,737	39,326	9,832			155,045	77,523	150,794
1915	101,410	50,705			46,099	11,525			125,002	62,501	124,731
1916	22,497	11,249	579	203	40,846	10,212			188,901	94,451	116,113
1917	88,243	44,122	28,818	10,086	48,474	12,119			137,835	68,918	135,244
1918	49,652	24,826	34,264	11,992	72,714	18,179	480	120	236,992	118,496	173,613
1919	72,727	36,364	183	64	52,300	13,075			438,709	219,355	268,857
1920	23,814	11,907	12,011	4,204	81,042	20,261			208,190	104,095	140,466
1921	37,750	18,875	5,122	1,793	44,419	11,105	316	79	345,924	172,962	204,813
1922	36,985	18,493	31,905	11,167	34,396	8,599	1,064	266	230,310	115,155	153,679
1923	54,202	27,101	298,081	104,328	86,893	21,723	58	15	334,876	167,438	320,605
1924	20,895	10,448	46,874	16,406	56,407	14,102			686,470	343,235	384,190
1925	77,588	38,794	78,734	27,557	48,716	12,179			373,592	186,796	265,326
1926	39,215	19,608	78,757	27,565	39,181	9,795	639	160	275,801	137,901	195,028
1927	15,200	7,600	82,446	28,856	40,248	10,062	43,086	10,772	435,574	217,787	275,077

Sources Catch statistics: Rich and Ball (1933), Column I: Table 21. Column III: Table 13. Column V: Total Southeast Alaska catch from Table 62 (Yakutat and Lynn Canal excluded) minus catches listed in Columns I,III,VII and IX. Column VII: Table 2. Column VII: Sum of troll catches from Tables 5,8,11,15,18,21,23 and 26.
Interception rates: See text.

Table 98. Estimated interceptions in Southeast Alaska by United States fishermen of chinook salmon bound for Canadian sections of rivers draining to the sea through Southeast Alaska, in numbers of fish, 1895-1927.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
	All Gear						Troll					
	Stikine River		Stephens Passage		Alsek River		South Clarence Strait		North Clarence Strait		Sumner Strait	
Year	Catch	Int. (80%)	Catch	Int. (80%)	Catch	Int. (100%)	Catch	Int. (10%)	Catch	Int. (35%)	Catch	Int. (35%)
1895	3,294	2,635										
1896	3,958	3,166										
1897	4,680	3,744										
1898	8,565	6,852										
1899	12,215	9,772										
1900			22,653	18,122								
1901	3,269	2,615	16,444	13,155								
1902	3,793	3,034	22,300	17,840								
1903	181	145	2,284	1,827								
1904	3,905	3,124	31,681	25,345								
1905	9,270	7,416	24,270	19,416								
1906	2,663	2,130	20,166	16,133								
1907	14,871	11,897	18,701	14,961								
1908	17,572	14,058	18,208	14,566	6,769	6,769	7,548	755				
1909	22,782	18,226	16,417	13,134								
1910	23,113	18,490	20,054	16,043	2,340	2,340	24,610	2,461				
1911	34,430	27,544	45,017	36,014	316	316						
1912	25,155	20,124	9,608	7,686	2,098	2,098			15,000	5,250		
1913	30,586	24,469	12,331	9,865	4,066	4,066	588	59			1,192	417
1914	11,247	8,998	18,130	14,504	11,500	11,500					780	273
1915	6,237	4,990	12,480	9,984	8,340	8,340			2,014	705	5,419	1,897
1916	4,853	3,882	13,265	10,612	386	386	1,046	105			1,536	538
1917	5,414	4,331	13,685	10,948	14,372	14,372					8,502	2,976
1918	7,767	6,214	14,523	11,618	11,708	11,708			6,650	2,328	27,536	9,638
1919	12,939	10,351	14,711	11,769	13,031	13,031					21,869	7,654
1920	25,216	20,173	24,503	19,602	22,882	22,882	9,700	970			10,463	3,662
1921	1,274	1,019	30,098	24,078	10,683	10,683					12,251	4,288
1922	13,308	10,646	7,850	6,280	7,257	7,257	15,798	1,580	2,335	817	370	130
1923	66,853	53,482	30,038	24,030	14,228	14,228			10,000	3,500	34,035	11,912
1924	16,583	13,266	21,389	17,111	19,055	19,055					2,275	796
1925	4,518	3,614	19,308	15,446	19,130	19,130	1,615	162			9,952	3,483
1926	2,242	1,794	8,683	6,946	16,824	16,824	10,746	1,075				
1927	1,379	1,103	8,824	7,059	8,153	8,153	3,757	376			31,321	10,962

Continued ...

Table 98. Continued.

	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	XXII	XXIII
	Troll (continued)										
	Ernest Sound		Chatham Strait		Fredrick Sound		West Coast Chicagov Island		Icy Strait		Total Inter-ceptions
Year	Catch	Int.(20%)	Catch	Int.(35%)	Catch	Int.(80%)	Catch	Int.(10%)	Catch	Int.(10%)	
1895											2,635
1896											3,166
1897											3,744
1898											6,852
1899											9,772
1900											18,122
1901											15,770
1902											20,874
1903											1,972
1904											20,469
1905											26,832
1906											18,263
1907											26,858
1908					8,661	6,929					43,077
1909					12,973	10,378					41,738
1910					12,873	10,298					49,633
1911			3,274	1,146	2,850	2,280					67,300
1912			24,941	8,729	15,000	12,000					55,888
1913	170	34	21,651	7,578			10,811	1,081			47,569
1914			16,614	5,815	14,319	11,455	16,390	1,639			54,184
1915			58,313	20,410	3,547	2,838					49,162
1916			107,206	37,522			555	56			53,100
1917			110,646	38,726			28,813	2,881			74,234
1918	400	80	88,844	31,095	4,748	3,798	34,227	3,423	480	48	79,950
1919	4,811	962	208,044	72,815							116,583
1920			89,459	31,311			11,714	1,171			99,771
1921			174,807	61,182	2,950	2,360	5,122	512	316	32	104,155
1922			79,023	27,658			31,887	3,189	1,064	106	57,663
1923			128,207	44,872	4,903	3,922	298,071	29,807	58	6	185,761
1924			373,427	130,699	22,190	17,752	46,874	4,687			203,368
1925			133,318	46,661	12,091	9,673	78,127	7,813			105,982
1926			98,703	34,546	10,747	8,598	78,757	7,876	639	64	77,722
1927			147,622	51,668	1,925	1,540	113,239	11,324	43,086	4,309	96,494

Sources Catch statistics: Rich and Ball (1933), Column I: Table 19. Column III: Tables 9 and 10. Column V: Table 1. Columns VII and IX: Table 23. Column XI: Table 18. Column XIII: Table 24. Column XV: Table 5. Column XVII: Table 8. Column XIX: Table 15. Column XXI: Table 2.
Interception rateSee text.

Table 99. Estimated production of sockeye salmon from the coastal rivers of Alaska, in thousands of fish, 1878-1982.

	I	II	III	IV	V	VI	VII	VIII
		Catch of Alaskan Fish By:			Catch by Alaska of Fish Bound For:			
Year	Total Alaska Catch	Japan	B.C.	Total	Canada (Transb.)	Canada (Other)	Total	Net Production
1878	69.0					41.4	41.4	27.6
1879	85.3					51.2	51.2	34.1
1880	83.6					50.1	50.1	33.4
1881	114.7					68.8	68.8	45.9
1882	205.8					88.2	88.2	117.6
1883	401.8					63.2	63.2	338.6
1884	504.3					47.4	47.4	456.8
1885	602.7					64.6	64.6	538.1
1886	857.5					62.1	62.1	795.4
1887	1,384.0					101.9	101.9	1,282.1
1888	3,325.3					139.2	139.2	3,186.1
1889	5,421.5					108.3	108.3	5,313.2
1890	5,424.1					125.5	125.5	5,298.6
1891	6,437.5					135.2	135.2	6,302.2
1892	4,654.2				1.3	121.2	122.6	4,531.7
1893	6,745.6				7.9	132.5	140.4	6,605.3
1894	7,795.3				7.3	152.2	159.5	7,635.8
1895	6,465.9				9.2	141.6	150.8	6,315.2
1896	9,126.8				46.3	141.2	187.5	8,939.4
1897	8,970.0				30.0	93.7	123.7	8,846.2
1898	10,562.4				27.7	91.1	118.9	10,443.5
1899	10,652.0				25.2	95.0	120.2	10,531.8
1900	16,921.9				29.6	96.8	126.4	16,795.5
1901	19,127.5				32.2	118.9	151.2	18,976.4
1902	22,544.0				43.0	83.8	126.8	22,417.1
1903	23,234.5				34.3	92.3	126.6	23,107.8
1904	21,108.2				139.1	139.3	278.4	20,829.7
1905	21,399.6				190.2	97.8	288.0	21,111.5
1906	19,488.9				137.1	102.7	239.9	19,249.0
1907	19,058.3				88.9	103.0	191.9	18,866.4
1908	24,387.5				157.1	104.8	261.9	24,125.6
1909	23,236.5				169.4	83.4	252.8	22,983.7
1910	19,026.5		11.7	11.7	184.4	114.5	298.8	18,739.4
1911	17,535.2		13.8	13.8	140.6	134.6	275.2	17,273.8
1912	28,618.7		13.5	13.5	130.8	121.1	251.9	28,380.3
1913	28,373.4		8.5	8.5	88.7	55.3	144.0	28,237.9
1914	30,091.4		9.2	9.2	114.0	71.9	186.0	29,914.6
1915	25,787.0		14.9	14.9	132.2	85.0	217.2	25,584.7
1916	29,743.8		11.8	11.8	147.4	76.3	223.7	29,532.0
1917	37,440.3		8.5	8.5	272.0	96.9	368.9	37,080.0
1918	35,209.8		8.3	8.3	222.6	118.9	341.5	34,876.6
1919	16,505.2		10.8	10.8	214.7	218.0	432.7	16,083.3
1920	20,357.9		6.6	6.6	203.9	167.6	371.5	19,993.0
1921	26,210.1		3.6	3.6	113.4	65.7	179.1	26,034.6
1922	33,580.9		12.3	12.3	128.1	129.3	257.4	33,335.7
1923	26,971.9		6.8	6.8	175.2	195.2	370.4	26,608.3
1924	19,265.1		12.9	12.9	165.4	224.8	390.2	18,887.7
1925	15,224.9		7.3	7.3	125.1	115.9	241.0	14,991.2
1926	31,136.4		6.6	6.6	148.2	153.3	301.5	30,841.5
1927	17,008.9		4.6	4.6	99.4	92.2	191.6	16,821.9
1928	27,153.6		1.8	1.8	122.9	81.7	204.6	26,950.8
1929	19,947.8		6.2	6.2	173.0	112.3	285.3	19,668.6
1930	10,394.1		7.9	7.9	235.5	140.4	375.9	10,026.1

Continued ...

Table 99. Continued

	I	II	III	IV	V	VI	VII	VIII
		Catch of Alaskan Fish By:			Catch by Alaska of Fish Bound For:			
Year	Total Alaska Catch	Japan	B.C.	Total	Canada (Transb.)	Canada (Other)	Total	Net Production
1931	20,861.0		2.3	2.3	165.9	158.9	324.8	20,538.5
1932	25,400.7		5.2	5.2	150.3	112.7	263.0	25,142.8
1933	31,182.1		3.9	3.9	92.0	74.2	166.2	31,019.8
1934	30,194.2		13.9	13.9	113.0	82.0	195.0	30,013.1
1935	10,248.8		4.9	4.9	172.2	132.4	304.7	9,949.0
1936	34,358.0		10.8	10.8	218.7	218.8	437.5	33,931.4
1937	31,117.0		7.4	7.4	199.0	190.1	389.2	30,735.2
1938	34,702.9		8.3	8.3	230.7	192.9	423.6	34,287.6
1939	24,805.1		8.9	8.9	226.3	197.7	424.0	24,390.0
1940	11,683.1		5.1	5.1	137.2	153.2	290.4	11,397.8
1941	14,588.1		9.1	9.1	152.4	181.4	333.8	14,263.4
1942	12,858.7		9.0	9.0	142.6	171.6	314.2	12,553.5
1943	26,991.2		5.9	5.9	102.3	95.9	198.1	26,799.0
1944	19,291.5		4.6	4.6	156.7	148.2	304.9	18,991.1
1945	15,009.6		3.4	3.4	153.2	148.8	301.9	14,711.1
1946	14,233.0		4.9	4.9	80.8	72.4	153.2	14,084.7
1947	25,988.7		3.7	3.7	67.9	45.0	112.9	25,879.5
1948	19,879.4		4.5	4.5	47.7	43.9	91.6	19,792.2
1949	11,837.0		3.1	3.1	44.6	39.7	84.3	11,755.8
1950	14,374.0		8.2	8.2	50.3	44.2	94.5	14,287.7
1951	9,652.8		6.9	6.9	125.3	39.3	164.6	9,495.1
1952	16,929.2	447.0	9.3	456.3	113.3	60.3	173.6	17,211.8
1953	11,792.6	282.0	6.1	288.1	113.6	153.4	267.0	11,813.7
1954	9,639.4	301.0	3.1	304.1	113.9	83.9	197.7	9,745.7
1955	8,710.6	779.0	4.8	783.8	69.4	54.6	124.0	9,370.3
1956	14,783.4	3,335.0	6.3	3,341.3	70.0	89.7	159.8	17,964.9
1957	9,890.8	6,454.0	5.5	6,459.5	78.2	177.6	255.9	16,094.5
1958	6,104.2	399.0	12.2	411.2	59.4	122.0	181.5	6,333.9
1959	8,076.6	650.0	6.4	656.4	47.0	131.6	178.7	8,554.3
1960	17,834.0	3,948.0	3.2	3,951.2	51.6	90.8	142.5	21,642.7
1961	16,081.3	5,949.0	9.1	5,958.1	68.9	71.5	140.5	21,899.0
1962	9,296.7	913.7	8.8	922.5	61.4	127.8	189.2	10,030.0
1963	6,215.4	990.9	1.3	992.3	75.3	110.8	186.0	7,021.6
1964	9,966.1	1,100.4	7.2	1,107.6	103.3	187.4	290.7	10,783.0
1965	29,770.5	6,503.0	3.8	6,506.8	110.7	192.7	303.4	35,973.9
1966	15,073.4	1,623.2	7.7	1,630.9	151.9	88.3	240.2	16,464.0
1967	8,576.4	1,012.3	24.0	1,036.3	79.0	283.0	362.0	9,250.7
1968	8,129.6	1,790.4	14.0	1,804.4	80.0	106.0	186.0	9,748.1
1969	11,416.8	1,878.8	9.0	1,887.8	105.0	110.0	215.0	13,089.6
1970	27,633.9	4,997.0	6.0	5,003.0	94.0	57.0	151.0	32,485.9
1971	14,179.6	1,770.0	8.7	1,778.7	115.3	101.8	217.1	15,741.2
1972	6,589.6	1,367.0	10.7	1,377.7	115.3	169.6	284.9	7,682.4
1973	4,490.2	1,230.0	7.6	1,237.6	144.4	200.9	345.3	5,382.5
1974	4,868.9	1,333.0	23.2	1,356.2	72.0	166.7	238.7	5,986.4
1975	7,454.7	1,458.0	6.9	1,464.9	50.2	40.2	90.4	8,829.2
1976	11,783.2	1,586.0	6.0	1,592.0	76.7	175.4	252.1	13,123.1
1977	12,460.3	766.0	22.5	788.5	162.8	330.7	493.5	12,755.3
1978	18,140.4	502.0	10.0	512.0	109.8	217.3	327.1	18,325.3
1979	28,722.1	548.0	15.5	563.5	154.0	334.8	488.8	28,796.8
1980	33,308.7	950.7	11.7	962.4	153.0	429.7	582.7	33,688.4
1981	37,445.0	614.4	26.0	640.4	175.0	281.4	456.4	37,629.1
1982	29,526.6	374.0	18.9	392.9	143.0	336.8	479.8	29,439.7

Sources		
	Column I: Table 62	Columns V & VI: Table 65
	Column II: Table 33	Column VII: Columns V+VI
	Column III: Table 122	Column VIII: Column I+Column IV-Column VII
	Column IV: Columns II+III	

Table 100. Estimated production of even-year pink salmon from the coastal rivers of Alaska, in thousands of fish, 1892-1982.

	I	II	III	IV	V	VI	VII	VIII
		Catch of Alaskan Fish By:			Catch by Alaska of Fish Bound For:			
Year	Total Alaska Catch	Japan	B.C.	Total	Canada (Transb.)	Canada (Other)	Total	Net Production
1892	8.2							8.2
1894	528.6							528.6
1896	2,065.8					0.6	0.6	2,065.3
1898	2,068.6					3.5	3.5	2,065.1
1900	5,311.2					13.2	13.2	5,298.0
1902	11,780.8				1.3	32.0	33.4	11,747.4
1904	6,183.3				0.9	6.9	7.8	6,175.5
1906	9,002.4				3.7	41.3	45.0	8,957.4
1908	14,671.1				19.2	71.1	90.2	14,580.9
1910	10,724.5		22.9	22.9	3.2	40.0	43.2	10,704.2
1912	26,398.3		179.0	179.0	9.9	134.4	144.2	26,433.1
1914	16,729.5		152.2	152.2	12.7	43.8	56.5	16,825.2
1916	29,831.1		238.3	238.3	45.4	97.2	142.6	29,926.8
1918	50,028.1		374.4	374.4	15.8	147.0	162.8	50,239.7
1920	30,312.2		379.4	379.4	25.0	114.7	139.7	30,551.9
1922	31,233.9		494.9	494.9	8.7	272.1	280.8	31,448.0
1924	50,335.7		463.0	463.0	22.0	345.1	367.1	50,431.6
1926	53,746.5		408.8	408.8	21.5	252.1	273.5	53,881.8
1928	47,182.2		500.8	500.8	108.2	234.8	343.0	47,340.1
1930	59,345.2		595.5	595.5	130.4	276.0	406.4	59,534.4
1932	35,822.6		161.9	161.9	67.8	192.2	260.0	35,724.5
1934	72,800.7		137.1	137.1	151.0	457.7	608.6	72,329.1
1936	77,423.8		320.9	320.9	152.2	406.6	638.8	77,105.9
1938	54,475.0		262.4	262.4	90.9	262.7	353.6	54,383.9
1940	60,766.4		144.0	144.0	87.3	240.4	327.7	60,582.7
1942	54,609.3		200.9	200.9	99.4	254.9	354.3	54,455.9
1944	37,741.5		153.8	153.8	58.0	129.3	187.4	37,707.9
1946	46,644.4		40.3	40.3	74.5	277.1	351.6	46,333.1
1948	27,250.4		108.0	108.0	43.1	166.0	209.1	27,149.3
1950	19,974.0		79.6	79.6	28.3	100.6	128.9	19,924.7
1952	19,861.6		187.3	187.3	58.8	50.7	109.5	19,939.4
1954	22,890.5		145.7	145.7	33.4	50.1	83.5	22,952.7
1956	26,420.6	16.0	172.3	188.3	13.9	123.6	137.5	26,471.4
1958	26,099.3	-	197.9	197.9	78.9	111.9	190.7	26,106.4
1960	16,079.3	28.0	31.3	59.3	28.7	28.9	57.7	16,081.0
1962	43,863.8	25.0	169.9	194.9	22.8	83.7	106.5	43,952.2
1964	45,290.8	15.0	194.2	209.2	75.1	77.4	152.5	45,347.5
1966	40,051.3	23.0	281.0	304.0	88.6	118.0	206.5	40,148.7
1968	44,726.6	27.0	446.0	473.0	87.0	372.0	459.0	44,740.6
1970	31,147.3	60.0	497.0	557.0	104.2	68.0	172.2	31,532.1
1972	15,920.4	29.0	513.1	542.1	77.7	196.5	274.2	16,188.3
1974	9,858.7	253.0	107.2	360.2	34.3	127.0	161.3	10,057.6
1976	24,750.8	224.0	156.8	380.8	14.5	59.8	74.3	25,057.3
1978	53,852.6		1128.4	1,128.4	37.0	296.3	333.3	54,647.7
1980	63,282.0		1145.2	1,145.2	164.0	327.2	491.2	63,936.0
1982	64,847.0		540.0	540.0	438.3	452.5	890.8	64,496.2

Sources		
	Column I: Table 62	Columns V & VI: Table 66
	Column II: Table 34	Column VII: Columns V+VI
	Column III: Table 123	Column VIII: Column I+Column IV-Column VII
	Column IV: Columns II+III	

Table 101. Estimated production of odd-year pink salmon from the coastal rivers of Alaska, in thousands of fish, 1889-1981.

	I	II	III	IV	V	VI	VII	VIII
		Catch of Alaskan Fish By:			Catch by Alaska of Fish Bound For:			
Year	Total Alaska Catch	Japan	B.C.	Total	Canada (Transb.)	Canada (Other)	Total	Net Production
1889	92.1					64.5	64.5	27.6
1891								
1893	187.0							187.0
1895	628.3							628.3
1897	3,824.9				7.1	64.5	71.7	3,753.2
1899	3,312.8					130.4	130.4	3,182.5
1901	10,827.7				2.5	193.1	195.5	10,632.2
1903	8,132.6					102.7	102.7	8,030.0
1905	3,351.4				8.8	124.3	133.0	3,218.3
1907	12,578.3				19.0	893.6	912.6	11,665.8
1909	9,756.1				6.9	805.1	812.0	8,944.2
1911	22,005.6		17.6	17.6	30.0	1,440.0	1,469.9	20,553.2
1913	26,777.7		30.8	30.8	15.8	1,879.5	1,895.4	24,913.2
1915	31,398.6		54.7	54.7	85.1	1,112.3	1,197.4	30,255.9
1917	43,326.4		70.7	70.7	95.1	1,718.7	1,813.8	41,583.3
1919	25,766.8		47.2	47.2	59.3	1,766.5	1,825.9	23,988.2
1921	7,899.4		46.8	46.8	45.4	283.2	328.6	7,617.6
1923	43,447.5		70.1	70.1	20.4	2,931.3	2,951.7	40,565.9
1925	35,445.9		53.5	53.5	18.2	2,608.5	2,626.8	32,872.6
1927	21,814.2		26.4	26.4	38.2	236.7	274.9	21,565.7
1929	39,813.5		16.4	16.4	65.5	1,170.0	1,235.5	38,594.3
1931	40,583.2		3.6	3.6	81.7	1,221.1	1,302.8	39,284.0
1933	38,940.1		91.2	91.2	77.3	1,372.0	1,449.4	37,581.9
1935	49,836.3		40.6	40.6	90.7	2,068.4	2,159.1	47,717.8
1937	66,283.3		14.9	14.9	105.5	1,889.0	1,994.5	64,303.8
1939	44,139.3		45.1	45.1	71.2	1,570.8	1,641.9	42,542.5
1941	77,840.5		35.4	35.4	180.2	3,331.5	3,511.7	74,364.2
1943	47,248.6		29.0	29.0	54.1	1,184.9	1,239.0	46,038.6
1945	47,783.3		55.4	55.4	65.0	1,466.5	1,531.5	46,307.2
1947	34,449.6		9.1	9.1	42.1	961.3	1,003.4	33,455.2
1949	57,006.4		54.6	54.6	131.8	3,058.3	3,190.1	53,870.9
1951	28,426.1		119.4	119.4	96.8	648.9	745.7	27,799.8
1953	15,671.0		24.6	24.6	11.5	579.1	590.6	15,104.9
1955	24,824.9		46.2	46.2	22.9	369.6	392.5	24,478.6
1957	13,754.1		51.4	51.4	8.1	1,994.1	2,002.1	11,803.3
1959	10,930.4		29.7	29.7	62.7	477.1	539.8	10,420.3
1961	21,505.8	2.0	45.7	47.7	183.0	339.1	522.1	21,031.4
1963	34,275.7	<0.5	20.4	20.4	376.8	1,461.2	1,837.9	32,458.2
1965	20,347.3	2.0	98.2	100.2	4.8	551.8	556.6	19,890.8
1967	6,559.2	4.0	65.0	69.0	13.0	240.0	253.0	6,375.2
1969	25,767.4	3.0	23.0	26.0	71.0	357.0	428.0	25,365.4
1971	23,528.4	5.0	28.6	33.6	43.3	511.8	555.1	23,006.9
1973	9,801.9	4.0	29.1	33.1	44.5	639.1	683.6	9,151.4
1975	12,983.8	4.0	12.4	16.4	14.9	81.7	96.6	12,903.6
1977	28,586.8	5.0	229.3	234.3	65.3	805.1	870.4	27,950.7
1979	50,135.5		21.1	21.1	149.0	736.1	885.1	49,271.5
1981	60,019.0		145.2	145.2	249.0	2,800.7	3,049.7	57,114.5

Sources
Column I: Table 62
Column II: Table 34
Column III: Table 124
Column IV: Columns II+III
Columns V & VI: Table 66
Column VII: C
Column VIII: Column I+ Column IV -Column VI

Table 102. Estimated production of chum salmon from the coastal rivers of Alaska, in thousands of fish, 1896-1982.

	I	II	III	IV	V	VI	VII	VIII	IX
	Total Alaska Catch	Catch of Alaskan Fish By:			Catch by Alaska of Fish Bound For:				
Year		Japan	B.C.	Total	Canada (Yukon)	Canada (Transb.)	Canada (Other)	Total	Net Production
1896	2.9								2.9
1897	6.7								6.7
1898	28.6								28.6
1899	7.0								7.0
1900	64.4								64.4
1901	0.0								-
1902	0.0								-
1903	0.0								-
1904	395.7								395.7
1905	1,720.0								1,720.0
1906	1,628.0					3.0		3.0	1,625.0
1907	1,863.7					46.5	28.8	75.3	1,788.3
1908	2,284.5					15.4	9.0	24.4	2,260.2
1909	1,078.5					2.0	1.5	3.4	1,075.1
1910	2,309.7		1.1	1.1		19.6	28.2	47.9	2,262.9
1911	3,237.6		7.7	7.7		40.8	11.3	52.1	3,193.2
1912	6,069.3		5.3	5.3		45.8	93.9	139.7	5,934.8
1913	2,859.3		5.9	5.9		8.9	55.0	63.9	2,801.2
1914	6,326.1		28.9	28.9		32.8	89.8	122.6	6,232.4
1915	4,694.5		16.1	16.1		18.5	117.3	135.9	4,574.7
1916	7,242.7		15.4	15.4		59.9	123.3	183.2	7,075.0
1917	8,370.8		35.0	35.0		27.9	148.3	176.2	8,229.6
1918	13,829.4		56.1	56.1	14.8	8.5	112.5	135.8	13,749.7
1919	11,675.5		37.1	37.1	65.6	70.4	238.5	374.4	11,338.2
1920	10,740.2		17.6	17.6	31.1	46.5	215.5	293.1	10,464.7
1921	2,722.0		3.1	3.1	22.2	13.5	15.1	50.9	2,674.2
1922	5,198.4		16.2	16.2		23.7	143.8	167.5	5,047.1
1923	4,923.6		36.2	36.2		10.4	106.2	116.6	4,843.2
1924	9,589.1		40.1	40.1		18.0	159.6	177.6	9,451.6
1925	10,710.3		31.0	31.0		22.1	326.4	348.5	10,392.8
1926	8,986.6		23.4	23.4		21.0	154.1	175.2	8,834.8
1927	5,106.2		4.7	4.7		12.1	38.7	50.8	5,060.1
1928	9,186.2		5.4	5.4		34.1	121.7	155.8	9,035.7
1929	8,482.3		1.7	1.7		18.4	44.4	62.8	8,421.3
1930	5,856.1		4.9	4.9		19.0	41.6	60.5	5,800.4

Continued ...

Table 102. Continued

	I	II	III	IV	V	VI	VII	VIII	IX
		Catch of Alaskan Fish By:			Catch by Alaska of Fish Bound For:				
Year	Total Alaska Catch	Japan	B.C.	Total	Canada (Yukon)	Canada (Transb.)	Canada (Other)	Total	Net Production
1931	5,604.7		0.4	0.4		20.0	71.8	91.8	5,513.3
1932	8,078.9		12.2	12.2		39.2	117.1	156.3	7,934.8
1933	6,992.7		3.9	3.9		31.8	70.9	102.8	6,893.9
1934	7,239.1		7.8	7.8		26.6	45.9	72.6	7,174.3
1935	8,397.6		24.9	24.9		35.6	125.4	161.0	8,261.4
1936	11,120.9		32.1	32.1		53.2	160.2	213.5	10,939.5
1937	8,276.0		17.1	17.1		38.9	130.8	169.7	8,123.5
1938	7,766.2		21.3	21.3		31.9	121.0	152.9	7,634.5
1939	7,071.3		3.5	3.5		23.7	79.3	103.0	6,971.9
1940	8,820.9		8.0	8.0		32.4	94.2	126.6	8,702.2
1941	6,442.2		8.1	8.1		20.7	68.5	89.2	6,361.1
1942	8,750.9		17.1	17.1		38.1	135.7	173.8	8,594.2
1943	9,469.0		12.8	12.8		47.8	134.9	182.7	9,299.1
1944	10,381.5		14.9	14.9		48.2	131.1	179.2	10,217.2
1945	7,993.1		6.9	6.9		23.2	76.5	99.8	7,900.2
1946	7,206.9		22.1	22.1		28.1	103.3	131.3	7,097.7
1947	6,222.1		14.7	14.7		23.5	91.2	114.8	6,122.0
1948	7,399.1		11.3	11.3		28.0	133.1	161.1	7,249.3
1949	5,660.1		10.6	10.6		20.3	84.0	104.3	5,566.4
1950	7,402.0		20.7	20.7		33.5	143.6	177.1	7,245.7
1951	6,611.5		62.0	62.0		14.9	54.9	69.8	6,603.6
1952	8,137.6		22.2	22.2		36.3	58.3	94.6	8,065.1
1953	7,291.8		38.8	38.8	1.2	45.6	49.5	96.3	7,234.2
1954	8,633.8		19.8	19.8	2.9	85.5	26.2	114.6	8,539.0
1955	3,653.7		15.2	15.2		20.3	10.4	30.7	3,638.1
1956	7,423.0	127.0	80.4	207.4	2.1	49.6	38.8	90.7	7,539.7
1957	8,582.1	34.8	50.8	85.6		91.3	37.6	128.9	8,538.7
1958	6,644.6	0.0	39.9	39.9		47.4	31.8	79.2	6,605.3
1959	4,086.2	19.1	37.9	57.0		28.0	29.1	57.2	4,086.0
1960	6,624.9	151.4	41.3	192.6		36.2	45.0	81.2	6,736.3
1961	5,630.8	53.1	23.6	76.6	8.5	32.2	26.8	67.5	5,640.0
1962	7,149.3	30.5	8.3	38.7	10.6	24.5	23.1	58.2	7,129.8
1963	4,464.3	46.1	7.1	53.2		38.1	31.1	69.3	4,448.2
1964	7,270.8	113.1	21.8	134.9	1.7	14.1	55.2	71.0	7,334.6
1965	3,643.8	79.2	9.4	88.6	4.7	10.5	14.7	29.9	3,702.5
1966	6,456.3	93.1	17.0	110.1	14.2	38.2	30.0	82.4	6,483.9
1967	3,654.4	71.3	29.0	100.3	9.9	24.0	13.0	46.9	3,707.8
1968	6,082.3	217.2	64.0	281.2	13.5	25.0	49.0	87.5	6,276.0
1969	2,953.1	198.6	16.0	214.6	38.4	15.0	7.0	60.4	3,107.4
1970	7,499.6	378.3	51.0	429.3	71.3	84.0	14.0	169.3	7,759.6
1971	7,679.3	339.3	19.8	359.1	57.9	71.6	18.1	147.6	7,890.8
1972	7,064.7	452.4	90.9	543.3	57.6	125.4	57.1	240.1	7,368.0
1973	6,019.8	252.1	58.5	310.6	103.6	103.4	31.0	238.0	6,092.4
1974	4,730.0	381.8	53.1	434.9	175.8	72.9	31.4	280.1	4,884.7
1975	4,321.5	308.6	9.0	317.6	197.0	11.2	6.4	214.6	4,424.6
1976	5,924.7	383.4	7.3	390.7	152.3	51.9	13.2	217.4	6,097.9
1977	7,328.3	365.7	75.1	440.8	159.5	43.4	24.9	227.8	7,541.2
1978	6,679.1	66.7	44.3	111.0	257.8	28.7	36.8	323.3	6,466.9
1979	5,828.8	83.0	20.8	103.8	233.2	47.0	31.7	311.9	5,620.7
1980	9,611.0	80.1	85.7	165.8	271.2	164.0	68.0	503.2	9,273.7
1981	11,536.0	77.4	24.0	101.4		63.0	23.2	86.2	11,551.2
1982	10,536.7	33.1	54.9	87.9		33.0	20.1	53.1	10,571.5

Sources

Column I: Table 62
Column II: Table 36
Column III: Table 125
Column IV: Columns II+III
Column V: Table 63
Columns VI & VII: Table 65
Column VIII: Columns V+VI+VII
Column IX: Column I+Column IV-Column VIII

Table 103. Estimated production of coho salmon from the coastal rivers of Alaska, in thousands of fish, 1888-1982.

	I	II	III	IV	V	VI	VII	VIII
		Catch of Alaskan Fish By:			Catch by Alaska of Fish Bound For:			
Year	Total Alaska Catch	Japan	B.C.	Total	Canada (Transb.)	Canada (Other)	Total	Net Production
1888	16.3					5.7	5.7	10.6
1889	11.2					3.9	3.9	7.3
1890	43.9					5.8	5.8	38.1
1891	23.7					3.2	3.2	20.5
1892	15.4					2.6	2.6	12.8
1893	500.8					0.2	0.2	500.6
1894	430.4					1.4	1.4	429.0
1895	808.1					3.7	3.7	804.3
1896	628.8				21.0	14.2	35.2	593.6
1897	498.0				13.8	15.4	29.2	468.7
1898	479.1					22.7	22.7	456.4
1899	508.6					29.9	29.9	478.8
1900	801.5					18.7	18.7	782.8
1901	1,462.3				82.7	27.9	110.7	1,351.6
1902	1,282.1				30.8	9.1	39.9	1,242.2
1903	1,136.9					27.9	27.9	1,109.1
1904	774.3				39.0	38.3	77.3	697.0
1905	564.2				27.6	31.4	59.0	505.2
1906	983.7				38.6	24.8	63.3	920.4
1907	851.0				39.8	30.6	70.4	780.6
1908	729.6				33.5	29.3	62.8	666.8
1909	559.9				48.6	15.1	63.7	496.2
1910	984.2		3.2	3.2	78.3	21.1	99.4	888.0
1911	1,215.8		3.9	3.9	43.1	53.6	96.7	1,123.0
1912	1,499.4		6.6	6.6	78.0	80.7	158.8	1,347.2
1913	796.0		4.5	4.5	33.9	33.8	67.7	732.8
1914	1,333.7		5.9	5.9	69.1	38.3	107.4	1,232.2
1915	1,239.7		8.4	8.4	60.2	49.1	109.3	1,138.8
1916	2,439.9		9.0	9.0	122.8	101.4	224.2	2,224.7
1917	1,900.5		10.6	10.6	82.0	130.2	212.2	1,698.9
1918	2,390.1		8.1	8.1	48.4	141.9	190.3	2,207.8
1919	2,459.8		5.3	5.3	81.8	149.3	231.1	2,234.0
1920	1,992.9		14.0	14.0	51.2	53.0	104.2	1,902.6
1921	1,087.8		14.4	14.4	77.8	34.4	112.1	990.1
1922	1,764.6		12.5	12.5	73.6	106.1	179.7	1,597.4
1923	1,717.3		13.4	13.4	55.4	128.5	183.9	1,546.8
1924	1,983.9		10.1	10.1	50.0	86.5	136.5	1,857.5
1925	1,971.5		19.4	19.4	61.7	111.5	173.2	1,817.7
1926	2,261.3		25.1	25.1	33.3	113.4	146.8	2,139.7
1927	2,720.0		26.3	26.3	59.5	93.9	153.4	2,592.9
1928	3,634.4		24.8	24.8	95.5	188.7	284.1	3,375.0
1929	2,127.4		23.5	23.5	63.5	125.6	189.1	1,961.8
1930	3,645.3		45.0	45.0	97.2	192.1	289.3	3,401.0

Continued ...

Table 103. Continued

	I	II	III	IV	V	VI	VII	VIII
		Catch of Alaskan Fish By:			Catch by Alaska of Fish Bound For:			
Year	Total Alaska Catch	Japan	B.C.	Total	Canada (Transb.)	Canada (Other)	Total	Net Production
1931	1,967.0		24.3	24.3	58.6	115.8	174.4	1,817.0
1932	2,058.6		53.8	53.8	73.7	145.7	219.4	1,893.1
1933	1,932.8		41.5	41.5	67.6	133.6	201.2	1,773.1
1934	2,683.5		118.1	118.1	112.4	222.3	334.6	2,467.0
1935	2,266.1		75.0	75.0	105.0	207.6	312.6	2,028.4
1936	2,704.6		99.6	99.6	111.4	220.3	331.6	2,472.6
1937	1,980.9		46.3	46.3	89.7	177.4	267.1	1,760.1
1938	2,871.2		59.5	59.5	145.8	288.4	434.2	2,496.4
1939	1,548.5		47.1	47.1	76.9	152.1	228.9	1,366.7
1940	2,992.9		50.7	50.7	130.0	257.1	387.1	2,656.5
1941	3,936.6		60.1	60.1	183.4	362.8	546.2	3,450.5
1942	3,900.3		65.7	65.7	166.1	328.6	494.7	3,471.3
1943	2,391.2		77.0	77.0	129.9	257.1	387.0	2,081.2
1944	2,251.7		31.3	31.3	103.9	205.6	309.5	1,973.6
1945	3,485.9		65.7	65.7	211.5	418.5	630.1	2,921.6
1946	3,657.3		39.7	39.7	198.7	393.2	591.9	3,105.1
1947	2,481.2		61.9	61.9	133.2	263.6	396.8	2,146.3
1948	2,957.2		51.3	51.3	189.6	375.3	564.9	2,443.6
1949	2,979.5		63.5	63.5	206.5	408.7	615.2	2,427.8
1950	2,416.4		63.8	63.8	153.3	303.3	456.6	2,023.5
1951	4,031.1		105.8	105.8	281.4	649.4	930.8	3,206.0
1952	2,376.3	32.3	61.1	93.4	145.4	337.8	483.2	1,986.5
1953	1,580.4	69.5	57.7	127.2	139.6	181.6	321.2	1,386.4
1954	2,533.2	125.0	65.2	190.2	161.8	366.8	528.6	2,194.8
1955	1,854.7	186.0	97.4	283.4	119.5	160.3	279.7	1,858.4
1956	1,513.2	105.5	66.5	172.0	92.8	109.5	202.4	1,482.8
1957	1,630.2	177.5	83.2	260.7	91.6	226.5	318.0	1,572.8
1958	1,606.8	204.9	47.2	252.1	96.7	153.1	249.8	1,609.1
1959	1,433.2	307.2	42.6	349.8	129.5	113.1	242.6	1,540.5
1960	1,404.3	351.1	43.0	394.0	57.6	100.5	158.1	1,640.2
1961	1,313.8	379.3	52.4	431.6	65.6	113.7	179.3	1,566.1
1962	2,039.1	322.3	87.4	409.7	81.0	207.1	288.1	2,160.7
1963	2,022.3	372.9	81.5	454.4	143.6	172.7	316.2	2,160.5
1964	2,558.3	581.0	103.4	684.5	173.3	249.9	423.2	2,819.6
1965	1,998.3	478.1	68.5	546.6	154.1	206.4	360.5	2,184.4
1966	1,920.6	364.6	111.9	476.5	109.5	172.2	281.6	2,115.4
1967	1,488.8	332.2	53.0	385.2	90.0	70.0	160.0	1,714.1
1968	2,751.0	358.3	112.0	470.3	140.0	174.0	314.0	2,907.2
1969	1,133.0	831.9	59.0	890.9	49.0	50.0	99.0	1,924.9
1970	1,526.8	584.8	72.0	656.8	107.2	72.0	179.2	2,004.4
1971	1,447.9	617.3	65.5	682.8	85.9	106.8	192.7	1,937.9
1972	1,830.8	606.0	94.8	700.8	131.4	232.8	364.2	2,167.4
1973	1,456.8	962.0	49.4	1,011.4	190.3	124.1	314.4	2,153.8
1974	1,854.6	1,039.5	52.5	1,092.0	92.5	218.1	310.6	2,636.0
1975	1,013.7	928.3	35.8	964.1	100.3	66.8	167.1	1,810.6
1976	1,432.3	721.5	52.9	774.4	76.5	130.9	207.4	1,999.3
1977	1,815.3	430.5	30.9	461.4	91.2	124.2	215.4	2,061.3
1978	2,820.9	627.9	84.0	711.9	108.3	334.1	442.4	3,090.4
1979	3,244.3	299.7	73.2	372.9	62.0	302.3	364.3	3,252.9
1980	3,135.3	308.5	90.2	398.7	120.9	260.6	381.5	3,152.5
1981	3,527.0	322.5	58.1	380.6	92.0	362.9	454.9	3,452.7
1982	6,048.8	301.3	74.2	375.4	87.3	394.1	481.4	5,942.8

Sources

Column I: Table 62
Column II: Table 37
Column III: Table 126
Column IV: Columns II+III

Columns V & VI: Table 67
Column VII: Columns V+VI
Column VIII: Column I+Column IV-Column VII

Table 104. Estimated production of chinook salmon from the coastal rivers of Alaska, in thousands of fish, 1890-1982.

	I	II	III	IV	V	VI	VII	VIII	IX
			Catch of Alaska Fish By:	Catch by Alaska of Fish Bound For:					
Year	Total Alaska Catch	Total Southeast Alaska Catch	Japan	Canada (Yukon)	Canada (Transb.)	Canada (Other)	Washington	Total	Net Production
1890	5.5								5.5
1891	6.2								6.2
1892									
1893	88.7	6.0				1.5	4.1	5.6	83.1
1894	47.5	13.0				1.5	10.4	11.9	35.6
1895	68.1	12.7			2.6	0.8	8.3	11.8	56.3
1896	58.8	18.7			3.2	2.0	12.2	17.3	41.5
1897	61.3	25.2			3.7	2.6	17.0	23.3	37.9
1898	54.4	16.9			6.9	4.2	5.2	16.3	38.1
1899	98.2	37.0			9.8	6.1	19.0	34.9	63.3
1900	132.6	39.4			18.1	1.5	17.7	37.4	95.3
1901	189.9	39.1			15.8	2.5	18.8	37.0	152.9
1902	201.3	37.8			20.9	1.6	13.8	36.3	165.1
1903	203.3	45.0			2.0	9.0	30.6	41.6	161.7
1904	174.1	37.1			28.5	9.7	(0.9)	37.2	136.9
1905	225.6	68.6			26.8	18.1	21.3	66.2	159.4
1906	215.1	42.1			18.3	17.3	5.9	41.4	173.7
1907	296.4	89.1			26.9	22.3	35.9	85.1	211.3
1908	228.7	101.2			43.1	36.8	19.2	99.1	129.6
1909	312.5	113.9			41.7	46.6	23.0	111.3	201.1
1910	329.0	175.6			49.6	76.2	44.8	170.6	158.3
1911	318.2	147.2			67.3	52.9	24.3	144.5	173.7
1912	559.2	405.8			55.9	186.8	146.8	389.5	169.7
1913	507.6	353.1			47.6	154.5	136.0	338.0	169.6
1914	501.0	339.0			54.2	150.8	120.6	325.6	175.4
1915	541.8	282.0			49.2	124.7	97.3	271.2	270.6
1916	493.1	256.1			53.1	116.1	78.2	247.4	245.7
1917	535.2	327.3			74.2	135.2	106.0	315.5	219.7
1918	590.8	411.4		4.9	79.9	173.6	142.1	400.5	190.3
1919	967.3	579.9		41.9	116.6	268.9	175.0	602.4	364.9
1920	670.6	351.8		23.4	99.8	140.5	100.4	364.0	306.5
1921	657.4	446.3		27.9	104.2	204.8	123.6	460.4	197.0
1922	504.7	344.9		6.7	57.7	153.7	120.2	338.3	166.4
1923	934.9	790.5		5.4	185.8	320.6	255.7	767.4	167.5
1924	1,014.4	836.0		11.0	203.4	384.2	223.6	822.1	192.3
1925	798.1	600.1			106.0	265.3	205.9	577.2	220.8
1926	661.5	452.9			77.7	195.0	162.1	434.9	226.7
1927	872.0	627.2			96.5	275.1	230.1	601.6	270.4
1928	584.8	384.6			75.8	164.2	130.1	370.1	214.7
1929	740.9	455.5			89.7	194.5	154.1	438.4	302.5
1930	842.2	610.0			120.2	260.5	206.4	587.1	255.1

Continued ...

Table 104 Continued

	I	II	III	IV	V	VI	VII	VIII	IX
			Catch of Alaska Fish By:	Catch by Alaska of Fish Bound For:					
Year	Total Alaska Catch	Total Southeast Alaska Catch	Japan	Canada (Yukon)	Canada (Transb.)	Canada (Other)	Wash-ington	Total	Net Production
1931	619.0	460.2			90.7	196.5	155.7	442.9	176.1
1932	840.7	626.8		1.9	123.5	267.6	212.1	605.1	235.6
1933	584.0	427.2		3.5	84.2	182.4	144.6	414.7	169.3
1934	520.8	339.0		10.1	66.8	144.8	114.7	336.4	184.4
1935	756.9	641.5		2.9	126.4	273.9	217.1	620.3	136.6
1936	838.7	681.1		8.4	134.2	290.8	230.5	663.9	174.8
1937	1,037.8	879.5		2.5	173.3	375.5	297.6	848.9	188.9
1938	900.5	757.1		5.5	149.1	323.3	256.2	734.1	166.3
1939	780.1	652.1		4.0	128.5	278.4	220.7	631.6	148.5
1940	542.5	428.4		7.2	84.4	182.9	145.0	419.5	123.0
1941	807.9	612.9		12.0	120.7	261.7	207.4	601.8	206.1
1942	729.7	558.4		9.0	110.0	238.4	189.0	546.4	183.3
1943	623.5	398.8		11.1	78.6	170.3	135.0	394.9	228.6
1944	467.0	328.3		5.7	64.7	140.2	111.1	321.6	145.4
1945	600.3	438.1		7.9	86.3	187.1	148.3	429.5	170.8
1946	721.7	568.5		9.1	112.0	242.7	192.4	556.2	165.5
1947	724.1	496.1		21.6	97.7	211.8	167.9	499.1	225.0
1948	680.6	480.1		13.5	94.6	205.0	162.5	475.6	205.0
1949	693.9	480.1		14.6	94.6	205.0	162.5	476.6	217.3
1950	655.2	378.7		16.7	74.6	161.7	128.2	381.2	274.0
1951	789.5	474.4		22.5	90.8	200.8	164.5	478.6	310.9
1952	735.3	528.4	4.8	15.5	124.3	213.0	172.0	524.7	215.4
1953	713.0	498.3	10.2	23.5	94.0	206.4	178.2	502.0	221.1
1954	608.0	397.6	18.6	25.8	87.1	159.3	136.1	408.3	218.3
1955	585.1	373.6	27.6	22.4	78.2	142.8	137.3	380.7	232.0
1956	456.0	239.1	66.5	24.9	61.5	94.2	75.0	255.6	266.9
1957	518.1	300.0	40.4	25.4	55.5	116.7	115.0	312.7	245.8
1958	552.2	325.2	31.7	25.4	67.5	133.5	111.7	338.1	245.7
1959	607.1	364.7	68.0	31.3	74.7	147.1	128.5	381.8	293.4
1960	547.2	310.0	192.0	27.0	56.6	130.8	110.4	324.8	414.4
1961	503.6	229.5	59.4	48.1	48.5	98.1	74.7	269.3	293.7
1962	460.5	205.6	102.6	37.9	45.2	81.2	71.3	235.6	327.5
1963	501.4	258.5	99.3	46.8	29.9	119.8	97.9	294.4	306.3
1964	639.1	357.2	355.3	37.4	38.9	161.8	140.9	379.0	615.4
1965	580.9	287.2	154.7	47.2	28.2	120.6	124.5	320.6	415.0
1966	540.0	308.1	171.5	37.3	34.1	129.1	130.5	330.9	380.6
1967	610.7	301.0	131.1	51.9	62.0	124.0	103.5	341.4	400.4
1968	610.5	331.6	263.9	42.6	63.0	136.0	119.3	361.0	513.5
1969	639.2	313.8	457.0	36.1	55.0	125.0	120.4	336.5	759.7
1970	645.8	322.0	382.4	32.1	36.5	130.0	140.0	338.6	689.6
1971	662.3	334.0	214.3	44.2	45.8	130.1	142.3	362.4	514.2
1972	553.2	286.8	222.3	37.1	55.4	115.8	104.0	312.4	463.1
1973	550.7	343.6	142.1	30.1	50.5	129.1	147.6	357.3	335.5
1974	555.6	346.6	381.0	39.2	46.7	142.0	142.1	370.0	566.6
1975	454.9	300.7	184.2	25.5	26.7	125.6	133.6	311.4	327.7
1976	532.7	241.8	279.6	35.5	35.8	100.5	95.0	266.7	545.6
1977	621.0	285.2	152.7	38.6	47.2	114.2	111.4	311.4	462.3
1978	835.9	401.4	154.8	39.0	31.9	154.6	193.4	419.0	571.8
1979	830.0	367.6	158.3	51.6	63.2	146.1	142.5	403.4	584.9
1980	675.5	323.3	455.4	61.1	91.0	131.1	91.1	374.3	756.6
1981	823.0	272.0	126.8		64.4	109.3	88.4	262.2	687.6
1982	883.3	299.5	140.2		38.8	112.9	133.0	284.7	738.8

Sources

Column I: Table 62
Column II: Table 67
Column III: Table 38
Column IV: Table 64

Columns V & VI: Table 67
Column VII: 90% of Column II-(Columns IV+V+VI) -See Text
Column VIII: Sum of Columns IV-VII
Column IX: Column I+Column III-Column VIII

Table 105. Estimated production of sockeye salmon from the coastal rivers of Alaska, in metric tonnes, 1878-1982.

	I	II	III	IV	V	VI	VII	VIII
		Catch of Alaskan Fish By:			Catch by Alaska of Fish Bound for:			
Year	Total Alaska Catch	Japan	B.C.	Total	Canada (Transb.)	Canada (Other)	Total	Net Production
1878	196					118	118	78
1879	242					145	145	97
1880	237					142	142	95
1881	326					195	195	130
1882	571					250	250	321
1883	1,100					179	179	920
1884	1,370					135	135	1,235
1885	1,608					184	184	1,425
1886	2,293					176	176	2,117
1887	3,710					289	289	3,420
1888	8,836					395	395	8,441
1889	14,760					308	308	14,452
1890	14,775					356	356	14,419
1891	17,713					384	384	17,329
1892	12,697				4	344	348	12,349
1893	18,394				22	376	399	17,995
1894	21,146				21	432	453	20,693
1895	17,676				26	402	428	17,248
1896	24,883				131	401	532	24,351
1897	24,173				85	266	351	23,821
1898	28,528				79	259	338	28,191
1899	28,672				72	270	341	28,331
1900	45,240				84	275	359	44,881
1901	50,691				91	338	429	50,262
1902	60,147				122	238	360	59,787
1903	61,381				97	262	360	61,022
1904	56,522				395	396	791	55,732
1905	56,576				540	278	818	55,758
1906	51,832				389	292	681	51,151
1907	50,826				253	292	545	50,281
1908	64,611				446	298	744	63,867
1909	61,703				481	237	718	60,985
1910	50,729		35	35	524	325	849	49,915
1911	46,929		42	42	399	382	782	46,189
1912	75,491		41	41	371	344	715	74,816
1913	74,348		26	26	252	157	409	73,965
1914	79,297		28	28	324	204	528	78,796
1915	68,472		45	45	375	241	617	67,901
1916	78,359		36	36	419	217	635	77,759
1917	98,502		26	26	772	275	1,048	97,480
1918	92,992		25	25	632	338	970	92,047
1919	44,542		32	32	610	619	1,229	43,345
1920	54,772		20	20	579	476	1,055	53,737
1921	69,305		11	11	322	186	509	68,807
1922	87,835		37	37	364	367	731	87,141
1923	70,783		21	21	498	554	1,052	69,752
1924	51,237		39	39	470	638	1,108	50,168
1925	40,479		22	22	355	329	685	39,816
1926	81,414		20	20	421	435	856	80,577
1927	44,778		14	14	282	262	544	44,247
1928	70,982		5	5	349	232	581	70,406
1929	52,933		19	19	491	319	810	52,141
1930	27,930		24	24	669	399	1,067	26,887

Continued ...

Table 105. Continued

	I	II	III	IV	V	VI	VII	VIII
		Catch of Alaskan Fish By:			Catch by Alaska of Fish Bound for:			
Year	Total Alaska Catch	Japan	B.C.	Total	Canada (Transb.)	Canada (Other)	Total	Net Production
1931	54,939		7	7	471	451	923	54,023
1932	67,174		16	16	427	320	747	66,443
1933	81,135		12	12	261	211	472	80,675
1934	79,232		42	42	321	233	554	78,720
1935	27,655		15	15	489	376	865	26,804
1936	90,330		33	33	621	621	1,242	89,120
1937	81,530		22	22	565	540	1,105	80,447
1938	90,766		25	25	655	548	1,203	89,588
1939	66,001		27	27	643	561	1,204	64,824
1940	31,121		15	15	390	435	825	30,312
1941	38,792		27	27	433	515	948	37,872
1942	34,395		27	27	405	487	892	33,529
1943	70,940		18	18	290	272	563	70,395
1944	50,956		14	14	445	421	866	50,104
1945	39,838		10	10	435	422	857	38,990
1946	37,822		15	15	230	206	435	37,401
1947	68,582		11	11	193	128	321	68,272
1948	51,921		14	14	136	125	260	51,674
1949	31,479		9	9	127	113	239	31,249
1950	37,081		25	25	143	126	268	36,837
1951	25,154		20	20	356	112	467	24,707
1952	43,276	921	27	948	322	171	493	43,731
1953	30,569	682	19	701	323	436	758	30,511
1954	25,091	728	10	738	323	238	562	25,267
1955	22,629	1,598	13	1,611	197	155	352	23,888
1956	38,124	6,443	17	6,460	199	255	454	44,130
1957	25,537	13,678	15	13,693	222	504	727	38,503
1958	15,980	880	35	914	169	347	515	16,379
1959	20,952	1,315	17	1,332	134	374	507	21,777
1960	39,953	8,598	8	8,606	147	258	405	48,154
1961	43,366	15,974	24	15,998	196	203	399	58,966
1962	23,950	2,114	26	2,139	174	363	537	25,552
1963	15,285	2,122	4	2.126	214	315	528	16,882
1964	24,564	2,188	21	2,209	293	532	825	25,947
1965	63,827	13,347	10	13,356	314	547	862	76,322
1966	42,108	3,481	22	3,502	431	251	682	44,928
1967	24,307	2,015	66	2,080	224	804	1,028	25,359
1968	22,310	3,518	43	3,562	227	301	528	25,343
1969	29,064	3,639	25	3,664	298	312	611	32,117
1970	68,458	9,277	16	9,293	267	162	429	77,322
1971	39,618	3,106	23	3,129	327	289	617	42,131
1972	18,532	2,234	31	2,265	327	482	809	19,987
1973	15,153	2,077	22	2,099	410	571	981	16,272
1974	13,877	2,151	69	2,220	204	473	678	15,419
1975	19,393	2,279	18	2,297	143	114	257	21,434
1976	34,332	2,548	17	2,564	218	498	716	36,180
1977	40,720	1,306	66	1,372	462	939	1,402	40,691
1978	52,965	841	30	871	312	617	929	52,907
1979	77,938	959	39	998	437	951	1,388	77,548
1980	84,899	1,769	31	1,800	435	1,220	1,655	85,044
1981	105,677	1,035	61	1,096	497	799	1,296	105,477
1982	85,981	635	57	692	406	957	1,363	85,310

Sources
Column I: Table 62
Column II: Table 39
Column III: Table 122
Column IV: Columns II+III
Columns V & VI: Table 65
Column VII: Columns V+VI
Column VIII: Column I+Column IV-Column VII

Table 106. Estimated production of even-year pink salmon from the coastal rivers of Alaska, in metric tonnes, 1892-1982.

	I	II	III	IV	V	VI	VII	VIII
		Catch of Alaskan Fish By:			Catch by Alaska of Fish Bound For:			
Year	Total Alaska Catch	Japan	B.C.	Total	Canada (Transb.)	Canada (Other)	Total	Net Production
1892	14							14
1894	914							914
1896	3,574					1	1	3,573
1898	3,572					6	6	3,566
1900	9,182					23	23	9,159
1902	20,292				2	55	58	20,234
1904	10,632				1	12	13	10,618
1906	15,245				6	71	78	15,167
1908	25,262				33	123	156	25,106
1910	18,410		49	49	6	69	75	18,384
1912	45,196		383	383	17	232	250	45,330
1914	28,601		326	326	22	76	98	28,829
1916	51,100		510	510	78	168	247	51,363
1918	86,074		801	801	27	254	282	86,594
1920	51,806		812	812	43	198	242	52,377
1922	53,694		1,059	1,059	15	471	486	54,267
1924	86,319		991	991	38	597	635	86,675
1926	92,343		875	875	37	436	473	92,745
1928	81,486		1,072	1,072	187	406	593	81,965
1930	102,068		1,274	1,274	226	477	703	102,639
1932	61,314		347	347	117	332	450	61,211
1934	124,948		293	293	261	792	1,053	124,189
1936	132,806		687	687	263	842	1,105	132,387
1938	93,211		561	561	157	454	612	93,160
1940	103,851		308	308	151	416	567	103,592
1942	93,536		430	430	172	441	613	93,353
1944	64,658		329	329	100	224	324	64,663
1946	79,838		86	86	129	479	608	79,316
1948	46,415		231	231	74	287	362	46,285
1950	32,693		170	170	49	174	223	32,640
1952	32,575		388	388	102	88	189	32,774
1954	37,194		321	321	58	87	144	37,371
1956	43,477	22	295	318	24	214	238	43,557
1958	42,717		468	468	136	194	330	42,855
1960	24,035	37	61	98	50	50	100	24,033
1962	64,710	36	329	365	39	145	184	64,891
1964	72,975	20	338	358	130	134	264	73,069
1966	73,962	30	557	587	153	204	357	74,192
1968	67,485	35	602	637	151	644	794	67,328
1970	53,211	73	882	955	180	118	298	53,868
1972	24,410	33	602	635	134	340	474	24,571
1974	18,653	294	170	464	59	220	279	18,838
1976	46,457	250	264	514	25	103	129	46,843
1978	83,458		1,645	1,645	64	513	577	84,526
1980	98,873		2,050	2,050	284	566	850	100,074
1982	99,530		784	784	758	783	1,541	98,773

Sources		
	Column I: Table 62	Columns V & VI: Table 66
	Column II: Table 40	Column VII: Columns V+VI
	Column III: Table 123	Column VIII: Column I+Column IV-Column VII
	Column IV: Columns II+III	

Table 107. Estimated production of odd-year pink salmon from the coastal rivers of Alaska, in metric tonnes, 1889-1981.

	I	II	III	IV	V	VI	VII	VIII
		Catch of Alaskan Fish By:			Catch by Alaska of Fish Bound For:			
Year	Total Alaska Catch	Japan	B.C.	Total	Canada (Transb.)	Canada (Other)	Total	Net Production
1889	168					117	117	50
1891							0	-
1893	340						0	340
1895	1,143						0	1,143
1897	6,960				13	117	130	6,830
1899	6,029					237	237	5,791
1901	19,750				4	351	356	19,394
1903	14,755					187	187	14,568
1905	6,044				16	226	242	5,802
1907	22,929				35	1,626	1,661	21,268
1909	17,797				13	1,465	1,478	16,319
1911	41,105		41	41	55	2,621	2,675	38,471
1913	48,838		73	73	29	3,421	3,450	45,461
1915	57,393		129	129	155	2,024	2,179	55,343
1917	79,709		167	167	173	3,128	3,301	76,575
1919	47,557		111	111	108	3,215	3,323	44,346
1921	14,435		110	110	83	515	598	13,948
1923	79,701		165	165	37	5,335	5,372	74,494
1925	64,729		126	126	33	4,748	4,781	60,075
1927	43,305		62	62	70	431	500	42,867
1929	78,058		39	39	119	2,129	2,249	75,848
1931	81,007		9	9	149	2,222	2,371	78,645
1933	72,078		215	215	141	2,497	2,638	69,656
1935	96,176		96	96	165	3,764	3,930	92,342
1937	126,088		35	35	192	3,438	3,630	122,494
1939	83,989		106	106	130	2,859	2,988	81,107
1941	151,438		84	84	328	6,063	6,391	145,130
1943	107,522		68	68	98	2,156	2,255	105,335
1945	107,226		131	131	118	2,669	2,787	104,570
1947	72,782		21	21	77	1,750	1,826	70,977
1949	110,165		129	129	240	5,566	5,806	104,488
1951	52,132		260	260	176	1,181	1,357	51,035
1953	28,068		62	62	21	1,054	1,075	27,055
1955	44,910		104	104	42	673	714	44,300
1957	25,136	3	112	115	15	3,629	3,644	21,608
1959	20,066		68	68	114	868	982	19,151
1961	47,822	3	117	120	333	617	950	46,991
1963	52,967	5	42	48	686	2,659	3,345	49,670
1965	33,967	4	168	172	9	1,004	1,013	33,126
1967	13,129	6	156	162	24	437	460	12,831
1969	48,264	5	47	52	129	650	779	47,537
1971	39,303	4	51	56	79	931	1,010	38,349
1973	16,475	6	47	53	81	1,163	1,244	15,284
1975	22,666		20	20	27	149	176	22,511
1977	58,765		528	528	119	1,465	1,584	57,709
1979	84,750		42	42	271	1,340	1,611	83,181
1981	110,983		311	311	453	5,097	5,550	105,744

Sources

Column I: Table 62
Column II: Table 40
Column III: Table 124
Column IV: Columns II+III
Columns V & VI: Table 66
Column VII: Columns V+VI
Column VIII: Column I+ColumnIV-Column VII

Table 108. Estimated production of chum salmon from the coastal rivers of Alaska, in metric tonnes, 1896-1982.

	I	II	III	IV	V	VI	VII	VIII	IX
		Catch of Alaskan Fish By:			Catch by Alaska of Fish Bound For:				
Year	Total Alaska Catch	Japan	B.C.	Total	Canada (Yukon)	Canada (Transb.)	Canada (Other)	Total	Net Production
1896	13								13
1897	29								29
1898	121								121
1899	30								30
1900	274								274
1901									
1902									
1903									
1904	1,643					0.03		0.03	1,643
1905	7,270								7,270
1906	6,632					13		13	6,619
1907	7,317					199	123	322	6,995
1908	9,175					66	38	104	9,071
1909	4,128					8	6	15	4,113
1910	9,469		6	6		84	121	204	9,271
1911	13,271		47	47		174	48	223	13,095
1912	25,092		32	32		196	401	597	24,527
1913	11,743		35	35		38	235	273	11,506
1914	25,958		175	175		140	383	523	25,609
1915	18,741		97	97		79	501	580	18,258
1916	27,974		93	93		256	526	782	27,285
1917	34,234		212	212		119	633	753	33,693
1918	54,762		339	339	47	36	480	563	54,538
1919	47,478		224	224	208	300	1,018	1,527	46,176
1920	43,607		106	106	99	199	920	1,217	42,496
1921	10,657		18	18	70	58	65	193	10,483
1922	20,665		98	98		101	614	715	20,048
1923	19,945		219	219		45	453	498	19,666
1924	38,551		243	243		77	682	758	38,035
1925	43,403		188	188		94	1,394	1,488	42,103
1926	35,628		141	141		90	658	748	35,022
1927	19,119		29	29		52	165	217	18,931
1928	34,911		32	32		146	520	665	34,278
1929	30,809		11	11		79	190	268	30,552
1930	22,202		29	29		81	178	258	21,972

Continued ...

Table 108. Continued

	I	II	III	IV	V	VI	VII	VIII	IX
		Catch of Alaskan Fish By:			Catch by Alaska of Fish Bound for:				
Year	Total Alaska Catch	Japan	B.C.	Total	Canada (Yukon)	Canada (Transb.)	Carada (Other)	Total	Net Production
1931	21,141		2	2		85	307	392	20,751
1932	31,896		74	74		167	500	667	31,302
1933	27,508		24	24		136	303	439	27,092
1934	27,466		47	47		114	196	310	27,203
1935	32,584		150	150		152	536	688	32,047
1936	43,785		194	194		227	684	912	43,067
1937	32,545		104	104		166	559	725	31,924
1938	29,956		129	129		136	517	653	29,432
1939	26,430		21	21		101	338	440	26,012
1940	33,541		48	48		138	402	541	33,049
1941	24,083		49	49		88	292	381	23,751
1942	34,405		103	103		163	579	742	33,766
1943	37,980		77	77		204	576	780	37,277
1944	41,352		90	90		206	560	765	40,677
1945	30,155		42	42		99	327	426	29,771
1946	27,842		134	134		120	441	561	27,415
1947	23,917		89	89		100	390	490	23,516
1948	28,279		68	68		120	568	688	27,660
1949	21,934		64	64		87	359	445	21,553
1950	29,185		125	125		143	613	756	28,554
1951	25,868		323	323		64	234	298	25,892
1952	31,087		146	146		155	249	404	30,829
1953	27,316		240	240	4	195	211	410	27,145
1954	32,455		123	123	9	365	112	486	32,092
1955	13,452		78	78		87	44	131	13,398
1956	27,042	248	432	679	7	213	166	385	27,336
1957	31,915	64	275	339		390	161	550	31,703
1958	24,842		236	236		202	136	338	24,740
1959	14,614	35	234	269		120	124	244	14,639
1960	21,636	296	239	535		155	192	347	21,825
1961	21,276	113	132	244	27	137	114	279	21,242
1962	25,924	65	46	110	34	104	98	237	25,798
1963	16,328	96	37	133		163	133	296	16,165
1964	28,434	234	119	353	5	60	236	301	28,486
1965	14,121	152	45	197	15	45	63	123	14,195
1966	23,680	199	89	288	45	163	128	336	23,632
1967	14,289	149	154	303	31	102	56	189	14,402
1968	25,049	429	373	803	43	107	209	359	25,493
1969	10,161	393	92	485	122	64	30	216	10,430
1970	24,728	769	232	1,001	226	359	60	645	25,084
1971	25,088	643	98	741	184	306	77	567	25,262
1972	25,442	815	461	1,276	182	535	244	962	25,756
1973	22,932	459	326	785	328	442	132	902	22,814
1974	16,907	660	303	963	557	311	134	1,003	16,867
1975	13,977	541	46	588	624	48	27	700	13,865
1976	21,625	651	37	688	483	222	56	761	21,552
1977	27,463	677	435	1,112	506	185	106	797	27,777
1978	23,866	118	241	360	817	123	157	1,097	23,129
1979	20,433	150	117	267	739	201	135	1,075	19,625
1980	32,575	154	486	640	860	700	290	1,850	31,365
1981	42,018	141	139	281		269	99	368	41,930
1982	40,935	70	292	362		141	86	227	41,071

Sources

Column I: Table 62
Column II: Table 42
Column III: Table 125
Column IV: Columns II+III
Column V: Table 63
Columns VI & VII: Table 65
Column VIII: Columns V+VI+VII
Column IX: Column I+Column IV-Column VIII

Table 109. Estimated production of coho salmon from the coastal rivers of Alaska, in metric tonnes, 1888-1982.

	I	II	III	IV	V	VI	VII	VIII
		Catch of Alaskan Fish By:			Catch by Alaska of Fish Bound For:			
Year	Total Alaska Catch	Japan	B.C.	Total	Canada (Transb.)	Canada (Other)	Total	Net Production
1888	59					21	21	39
1889	41					14	14	26
1890	159					21	21	138
1891	86					11	11	75
1892	56					10	10	46
1893	1,760					1	1	1,759
1894	1,536					5	5	1,531
1895	2,960					14	14	2,947
1896	2,154				76	51	128	2,026
1897	1,734				50	56	106	1,627
1898	1,661					82	82	1,579
1899	1,763					108	108	1,655
1900	2,892					68	68	2,824
1901	5,298				300	101	402	4,896
1902	4,540				112	33	145	4,395
1903	4,049					101	101	3,948
1904	2,733				142	139	281	2,453
1905	2,008				100	114	214	1,794
1906	3,428				140	90	230	3,198
1907	2,920				144	111	255	2,664
1908	2,539				122	106	228	2,312
1909	1,937				176	55	231	1,705
1910	3,454		12	12	284	77	361	3,105
1911	4,311		14	14	156	195	351	3,974
1912	5,316		25	25	283	293	576	4,764
1913	2,792		17	17	123	123	246	2,563
1914	4,676		21	21	251	139	390	4,308
1915	4,353		29	29	219	178	397	3,985
1916	8,631		34	34	446	368	814	7,851
1917	6,889		40	40	298	473	770	6,159
1918	8,505		30	30	176	515	691	7,844
1919	8,793		19	19	297	542	839	7,973
1920	7,007		52	52	186	193	378	6,681
1921	3,894		55	55	282	125	407	3,542
1922	6,197		46	46	267	385	652	5,591
1923	6,112		51	51	201	466	668	5,496
1924	7,020		38	38	182	314	495	6,563
1925	7,039		74	74	224	405	629	6,485
1926	7,966		96	96	121	412	533	7,529
1927	9,707		98	98	216	341	557	9,248
1928	12,900		93	93	347	685	1,031	11,961
1929	7,590		88	88	231	456	686	6,992
1930	13,006		170	170	353	697	1,050	12,126

Continued ...

Table 109. Continued

	I	II	III	IV	V	VI	VII	VIII
		Catch of Alaskan Fish By:			Catch by Alaska of Fish Bound For:			
Year	Total Alaska Catch	Japan	B.C.	Total	Canada (Transb.)	Canada (Other)	Total	Net Production
1931	6,893		92	92	213	420	633	6,352
1932	7,206		207	207	268	529	796	6,616
1933	6,843		159	159	245	485	730	6,271
1934	9,502		464	464	408	807	1,215	8,751
1935	8,089		288	288	381	754	1,135	7,242
1936	9,482		390	390	404	800	1,204	8,669
1937	7,030		177	177	326	644	970	6,237
1938	10,200		234	234	529	1,047	1,576	8,857
1939	5,481		181	181	279	552	831	4,831
1940	10,559		197	197	472	933	1,405	9,351
1941	14,118		228	228	666	1,317	1,983	12,364
1942	13,887		258	258	603	1,193	1,796	12,349
1943	8,526		297	297	472	933	1,405	7,418
1944	8,009		123	123	377	746	1,123	7,009
1945	12,489		253	253	768	1,519	2,287	10,455
1946	12,946		153	153	721	1,427	2,149	10,950
1947	8,784		203	203	484	957	1,441	7,546
1948	10,528		192	192	688	1,362	2,051	8,670
1949	10,681		209	209	750	1,483	2,233	8,657
1950	8,616		225	225	556	1,101	1,658	7,183
1951	14,612		391	391	1,022	2,357	3,379	11,624
1952	8,562	77	207	285	528	1,226	1,754	7,093
1953	5,630	166	204	370	507	659	1,166	4,834
1954	9,076	300	239	539	587	1,332	1,919	7,696
1955	6,704	445	343	788	434	582	1,015	6,476
1956	5,389	252	249	501	337	398	735	5,155
1957	5,860	425	274	699	332	822	1,154	5,404
1958	5,651	491	177	667	351	556	907	5,412
1959	5,190	736	131	866	470	411	881	5,175
1960	4,355	841	137	977	209	365	574	4,758
1961	5,223	908	178	1,086	238	413	651	5,658
1962	6,876	990	291	1,281	294	752	1,046	7,111
1963	7,411	1,056	275	1,331	521	627	1,148	7,594
1964	9,583	1,471	358	1,830	629	907	1,536	9,876
1965	8,010	1,154	257	1,410	560	749	1,309	8,112
1966	7,306	905	363	1,268	397	625	1,022	7,551
1967	5,926	810	164	974	327	254	581	6,319
1968	9,472	865	327	1,193	508	632	1,140	9,525
1969	3,656	1,747	196	1,943	178	182	359	5,239
1970	5,126	1,282	249	1,532	389	261	650	6,007
1971	5,207	1,494	193	1,687	312	388	700	6,194
1972	6,415	1,530	297	1,827	477	845	1,322	6,920
1973	4,948	2,169	157	2,326	691	450	1,141	6,133
1974	6,394	2,141	147	2,287	336	792	1,127	7,554
1975	3,233	1,864	119	1,983	364	242	607	4,610
1976	5,063	1,536	133	1,669	278	475	753	5,979
1977	6,987	896	91	987	331	451	782	7,192
1978	9,062	1,080	229	1,309	393	1,213	1,606	8,766
1979	10,850	517	207	724	225	1,097	1,322	10,251
1980	10,335	540	242	782	439	946	1,385	9,732
1981	12,006	522	155	677	334	1,317	1,651	11,032
1982	21,119	516	217	733	317	1,431	1,747	20,104

Sources

Column I: Tabl[illegible]
Column II: Table 43
Column III: Table 126
Column IV: Columns II+III
Columns VI & VII: Table 67
Column VII: Columns V+VI
Column VIII: Column I+Column IV-Column VII

Table 110. Estimated production of chinook salmon from the coastal rivers of Alaska, in metric tonnes, 1890-1982.

	I	II	III	IV	V	VI	VII	VIII	IX
			Catch of Alaska Fish By:	Catch by Alaska of Fish Bound For:					
Year	Total Alaska Catch	Total Southeast Alaska Catch	Japan	Canada (Yukon)	Canada (Transb.)	Canada (Other)	Wash-ington	Total	Net Production
1890	66								66
1891	74								74
1892									0
1893	829	45				11	30	42	787
1894	445	98				11	78	89	355
1895	646	96			20	6	63	89	557
1896	504	141			24	15	92	131	373
1897	511	190			28	20	128	176	336
1898	472	127			52	32	39	123	349
1899	811	279			74	46	143	263	548
1900	1,101	296			136	11	134	281	819
1901	1,600	295			119	19	142	279	1,321
1902	1,722	285			157	12	104	273	1,449
1903	1,789	339			15	68	230	313	1,476
1904	1,461	279			214	73	(7)	280	1,181
1905	1,860	517			202	136	160	499	1,361
1906	1,748	317			138	130	44	312	1,436
1907	2,453	671			202	168	271	641	1,812
1908	1,808	762			324	277	144	746	1,062
1909	2,552	858			314	351	173	838	1,713
1910	2,575	1,322			374	574	337	1,285	1,291
1911	2,548	1,108			507	398	183	1,088	1,460
1912	4,161	3,056			421	1.407	1,105	2,933	1,228
1913	3,852	2,659			358	1,163	1,024	2,545	1,307
1914	3,747	2,553			408	1,135	908	2,452	1,295
1915	4,253	2,123			370	939	733	2,042	2,211
1916	3,806	1,928			400	874	589	1,863	1,943
1917	4,119	2,465			559	1,018	798	2,376	1,743
1918	4,421	3,098		49	602	1,307	1,070	3,028	1,394
1919	7,376	4,367		416	878	2,024	1,318	4,636	2,740
1920	5,323	2,649		232	751	1,058	756	2,797	2,526
1921	4,953	3,361		276	784	1,542	931	3,534	1,419
1922	3,785	2,597		67	434	1,157	905	2,563	1,222
1923	6,689	5,952		53	1,399	2,414	1,926	5,792	897
1924	7,338	6,295		109	1,531	2,893	1,684	6,217	1,122
1925	5,884	4,519			798	1,998	1,551	4,346	1,537
1926	5,019	3,410			585	1,469	1,221	3,275	1,745
1927	6,627	4,723			727	2,071	1,732	4,530	2,097
1928	4,601	2,896			571	1,237	980	2,787	1,814
1929	5,755	3,430			676	1,465	1,161	3,301	2,454
1930	6,319	4,593			905	1,961	1,554	4,421	1,899

Continued ...

Table 110. Continued

	I	II	III	IV	V	VI	VII	VIII	IX
			Catch of Alaska Fish By:	Catch by Alaska of Fish Bound For:					
Year	Total Alaska Catch	Total Southeast Alaska Catch	Japan	Canada (Yukon)	Canada (Transb.)	Canada (Other)	Washington	Total	Net Production
1931	4,694	3,465			683	1,480	1,173	3,335	1,359
1932	6,332	4,720		19	930	2,015	1,597	4,561	1,770
1933	4,425	3,217		35	634	1,374	1,089	3,131	1,295
1934	4,060	2,553		101	503	1,090	864	2,557	1,503
1935	5,535	4,830		29	952	2,063	1,635	4,678	857
1936	6,206	5,129		83	1,010	2,190	1,736	5,019	1,187
1937	7,566	6,623		25	1,305	2,828	2,241	6,398	1,168
1938	6,533	5,701		54	1,123	2,434	1,929	5,541	992
1939	5,649	4,910		40	967	2,097	1,662	4,765	884
1940	4,059	3,226		72	635	1,377	1,092	3,176	882
1941	6,123	4,615		119	909	1,971	1,562	4,560	1,563
1942	5,590	4,205		89	828	1,795	1,423	4,136	1,454
1943	4,939	3,003		110	592	1,282	1,016	3,000	1,939
1944	3,646	2,472		56	487	1,056	837	2,436	1,210
1945	4,571	3,299		78	650	1,409	1,116	3,253	1,318
1946	5,423	4,281		90	843	1,828	1,449	4,210	1,213
1947	5,688	3,736		214	736	1,595	1,264	3,810	1,879
1948	5,267	3,615		134	712	1,544	1,223	3,614	1,653
1949	5,406	3,615		144	712	1,544	1,223	3,624	1,783
1950	5,415	2,852		166	562	1,218	965	2,910	2,505
1951	6,517	3,572		223	684	1,512	1,238	3,658	2,859
1952	5,718	3,979	22	153	936	1,604	1,295	3,988	1,752
1953	5,589	3,752	49	234	707	1,554	1,342	3,837	1,801
1954	4,814	2,994	88	256	656	1,199	1,025	3,136	1,765
1955	4,590	2,813	130	222	589	1,075	1,034	2,920	1,799
1956	3,726	1,800	225	247	463	710	565	1,984	1,966
1957	4,095	2,259	166	252	418	879	866	2,415	1,845
1958	7,590	2,449	141	251	509	1,006	841	2,607	5,125
1959	4,728	2,746	275	311	563	1,108	968	2,950	2,053
1960	4,153	2,334	660	268	418	966	855	2,508	2,306
1961	3,874	1,728	261	477	286	579	777	2,119	2,016
1962	3,953	1,548	439	376	373	670	454	1,874	2,518
1963	4,079	1,947	369	464	232	930	706	2,332	2,116
1964	5,253	2,690	1,148	371	325	1,351	913	2,960	3,441
1965	4,974	1,956	538	469	242	1,034	612	2,356	3,156
1966	4,241	2,098	649	370	235	889	877	2,371	2,519
1967	5,308	2,050	526	515	425	849	698	2,487	3,348
1968	5,092	2,258	801	423	463	1,000	716	2,601	3,292
1969	4,862	2,137	1,067	358	337	765	932	2,391	3,538
1970	5,253	2,193	993	319	237	844	1,001	2,400	3,846
1971	5,419	2,275	626	438	283	803	1,070	2,594	3,451
1972	4,342	1,953	679	368	305	637	910	2,220	2,801
1973	4,551	2,340	595	299	316	808	1,094	2,517	2,628
1974	4,026	2,360	1,186	389	282	858	1,099	2,627	2,585
1975	3,149	2,048	621	253	160	752	1,022	2,187	1,583
1976	4,044	1,647	906	352	208	585	768	1,913	3,037
1977	5,489	1,942	517	383	321	778	759	2,240	3,766
1978	7,396	2,734	515	387	217	1,053	1,317	2,974	4,937
1979	6,842	2,503	622	512	430	995	970	2,908	4,556
1980	5,671	2,202	1,265	606	620	893	620	2,739	4,197
1981	7,142	1,852	474		439	745	602	1,785	5,830
1982	7,664	2,040	506		264	769	906	1,939	6,232

Sources

Column I: Table 62
Column II: Table 67
Column III: Table 44
Column IV: Table 64
Columns V & VI: Table 67
Column VII: 90% of Column II-(Columns IV+V+VI) - See Text
Column VIII: Sum of Columns IV-VII
Column IX: Column I+Column III-Column VIII

Table 111. Catches and estimated interceptions in northern British Columbia by Canadian fishermen of sockeye salmon bound for Alaskan rivers, in numbers of fish, 1910-1966.

	I	II	III	IV	V	VI	VII	VIII	IX	X
	Area 1		Subarea 3X		Subarea 3Y		Area 3			Total Inter-ceptions
								Interceptions		
Year	Catch	Int.(2%)	Catch	Int.(7%)	Catch	Int.(7%)	Catch	Number	Percent	
1910							385,417	11,678		11,678
1911							456,259	13,825		13,825
1912							446,566	13,531		13,531
1913							282,082	8,547		8,547
1914							302,491	9,165		9,165
1915							492,382	14,919		14,919
1916							390,060	11,819		11,819
1917							280,805	8,508		8,508
1918							273,016	8,272		8,272
1919							355,051	10,758		10,758
1920							218,021	6,606		6,606
1921							118,510	3,591		3,591
1922							404,922	12,269		12,269
1923							225,539	6,834		6,834
1924							424,230	12,854		12,854
1925							241,946	7,331		7,331
1926							217,858	6,601		6,601
1927							151,789	4,599		4,599
1928							58,392	1,769		1,769
1929							203,164	6,156		6,156
1930							262,085	7,941		7,941
1931							74,766	2,265		2,265
1932							170,713	5,173		5,173
1933							128,922	3,906		3,906
1934							459,726	13,930		13,930
1935							161,104	4,881		4,881
1936							357,638	10,836		10,836
1937							243,423	7,376		7,376
1938							273,216	8,278		8,278
1939							294,466	8,922		8,922
1940							167,195	5,066		5,066
1941							301,474	9,135		9,135
1942							296,446	8,982		8,982
1943							194,331	5,888		5,888
1944							151,932	4,604		4,604
1945							112,405	3,406		3,406
1946							162,796	4,933		4,933
1947							123,078	3,729		3,729
1948							148,676	4,505		4,505
1949							103,958	3,150		3,150
1950							269,689	8,172		8,172
1951	1,231	25					226,011	6,848		6,873
1952	2,314	46					304,479	9,226		9,272
1953	2,998	60					198,442	6,013		6,073
1954	103	2					101,584	3,078		3,080
1955	113	2					157,542	4,774		4,776
1956	2,751	55	32,422	2,270	56,525	3,957	254,751	6,226	2.44	6,281
1957	666	13	15,031	1,052	63,353	4,435	143,282	5,487	3.83	5,500
1958	6,868	137	33,029	2,312	139,088	9,736	398,738	12,046	3.02	12,186
1959	1,720	34	23,029	1,612	68,004	4,760	226,997	6,372	2.81	6,407
1960	5,631	113	16,006	1,120	27,584	1,931	133,037	3,051	2.29	3,164
1961	2,880	58	43,811	3,067	85,586	5,991	281,256	9,058	3.22	9,115
1962	19,149	383	64,667	4,527	56,074	3,925	218,084	8,452	3.88	8,835
1963	5,879	118	4,491	314	13,002	910	29,401	1,225	4.16	1,342
1964	11,192	224	49,081	3,436	50,442	3,531	170,383	6,967	4.09	7,190
1965	26,483	530	17,700	1,239	28,818	2,017	136,329	3,256	2.39	3,786
1966	16,155	323	27,502	1,925	77,941	5,456	174,511	7,381	4.23	7,704
							1956-1959 Average:		3.03	

Table 112. Catches and estimated interceptions in northern British Columbia by Canadian fishermen of even-year pink salmon bound for Alaskan rivers, in numbers of fish, 1910-1966.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
	"Alaska"		Area 1 (troll)		Area 1 Outside (net)		Area 2 (troll)		Subarea 3X		Subarea 3Y	
Year	Catch	Int.(95%)	Catch	Int.(32%)	Catch	Int.(16%)	Catch	Int.(28%)	Catch	Int.(36%)	Catch	Int.(20%)
1910												
1912												
1914												
1916												
1918												
1920												
1922												
1924												
1926												
1928												
1930												
1932												
1934												
1936												
1938												
1940												
1942												
1944												
1946												
1948												
1950												
1952			9,720	3,110	82,620	13,219	418	117				
1954			6,279	2,009	8,619	1,379	627	176				
1956			16,908	5,411	8,188	1,310	1,961	549	25,002	9,001	423,520	84,704
1958			45,843	14,670	29,827	4,772	1,510	423	89,078	32,068	205,939	41,188
1960			10,660	3,411	2,539	406	1,094	306	11,040	3,974	24,582	4,916
1962	11	10	96,248	30,799	10,784	1,726	13,682	3,831	103,562	37,282	87,882	17,576
1964	50	48	63,376	20,280	14,621	2,339	16,150	4,522	53,121	19,124	157,145	31,429
1966	795	755	49,523	15,847	46,425	7,428	31,833	8,913	88,988	32,036	320,579	64,116

Continued ...

Note: For Area 1, figures for 1952-1964 derived by applying an interception rate of 16% to the 5% of Area 1 catch estimated to have been taken outside the inlets. For 1966 figure derived by applying 16% interception rate to direct estimate of catch made outside the inlets.

Table 112. Continued.

	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	XXII	XXIII	XXIV
	Subarea 3Z		Area 3			Area 4		Area 5 (troll)		Area 6 (troll)		Total Inter-ceptions
Year	Catch	Int.(6%)	Catch	Int.	Percent	Catch	Int.(9%)	Catch	Int.(26%)	Catch	Int.(7%)	
1910			15,748	2,110		230,718	20,765					22,875
1912			217,453	29,139		1,665,225	149,870					179,009
1914			344,059	46,104		1.178,551	106,070					152,173
1916			1,040,872	139,477		1,098,224	98,840					238,317
1918			1,042,155	139,649		2,607,834	234,705					374,354
1920			790472	105,923		3,039,067	273,516					379,439
1922			1378227	184,682		3,447,165	310,245					494,927
1924			1287830	172,569		3,226,923	290,423					462,992
1926			844331	113,140		3,285,285	295,676					408,816
1928			1418565	190,088		3.452,376	310,714					500,802
1930			1304960	174,865		4.674,277	420,685					595,550
1932			531138	71,172		1,008,306	90,748					161,920
1934			674533	90,387		518,909	46,702					137,089
1936			1549256	207,600		1,258,723	113,285					320,885
1938			1100252	147,434		1,277,136	114,942					262,376
1940			517086	69,290		829,869	74,688					143,978
1942			924105	123,830		856,587	77,093					200,923
1944			612661	82,097		796,960	71,726					153,823
1946			160217	21,469		209,260	18,833					40,302
1948			179535	24,058		932,143	83,893					107,951
1950			336946	45,151		382,627	34,436					79,587
1952			290738	38,959		1,450,769	130,569	4,767	1,239	1,134	79	187,293
1954			563471	75,505		738,684	66,482	511	133	448	31	145,715
1956	556,693	33,402	1005215	127,106	12.64	416,372	37,473	1,476	384	635	44	172,278
1958	386,543	23,193	681560	96,448	14.15	901,352	81,122	1,395	363	858	60	197,858
1960	32,648	1,959	68270	10,850	15.89	170,336	15,330	2,236	581	6,530	457	31,342
1962	102,778	6,167	294252	61,025	20.74	579,730	52,176	48,961	12,730	108,550	7,599	169,896
1964	146,922	8,815	357192	59,368	16.62	964,881	86,839	33,122	8,612	174,314	12,202	194,210
1966	219,059	13,144	628626	109,295	17.39	1,076,647	96,898	108,491	28,208	194,430	13,610	280,955
				Average 1956-58:	13.40							

Table 113. Catches and estimated interceptions in northern British Columbia by Canadian fishermen of odd-year pink salmon bound for Alaskan rivers, in numbers of fish, 1911-1965.

	I	II	III	IV	V	VI	VII	VIII
	"Alaska"		Area 1 (troll)		Area 1 (net)		Subarea 3X	
Year	Catch	Int.(75%)	Catch	Int.(5%)	Catch	Int.(2%)	Catch	Int.(5%)
1911								
1913								
1915								
1917								
1919								
1921								
1923								
1925								
1927								
1929								
1931								
1933								
1935								
1937								
1939								
1941								
1943								
1945								
1947								
1949								
1951			17,883	894	568	11		
1953			6,744	337	4,115	82		
1955			19,069	953	43	1		
1957			22,367	1,118	2,901	58	150,276	7,514
1959			22,274	1,114	1,638	33	12,666	633
1961	11	8	20,578	1,029	5,734	115	15,397	770
1963	469	352	45,473	2,274	25,564	511	4,442	222
1965	64	48	25,909	1,295	50,056	1,001	22,991	1,150

Continued ...

Table 113. Continued.

	IX	X	XI	XII	XIII	XIV	XV	XVI
	Subarea 3Y		Subarea 3Z		Area 3			Total
Year	Catch	Int.(5%)	Catch	Int.(17%)	Catch	Int.	Percent	Inter-ceptions
1911					178,796	17,576		17,576
1913					313,455	30,813		30,813
1915					556,656	54,719		54,719
1917					719,390	70,716		70,716
1919					479,923	47,176		47,176
1921					475,986	46,789		46,789
1923					712,889	70,077		70,077
1925					544,051	53,480		53,480
1927					268,266	26,371		26,371
1929					166,549	16,372		16,372
1931					37,028	3,640		3,640
1933					928,176	91,240		91,240
1935					413,396	40,637		40,637
1937					152,054	14,947		14,947
1939					458,986	45,118		45,118
1941					360,358	35,423		35,423
1943					294,975	28,996		28,996
1945					563,324	55,375		55,375
1947					92,237	9,067		9,067
1949					555,057	54,562		54,562
1951					1,205,495	118,500		119,406
1953					245,552	24,138		24,557
1955					460,590	45,276		46,230
1957	424,585	21,229	126,227	21,459	701,008	50,202	7.2	51,378
1959	73,097	3,655	142,855	24,285	228,618	28,574	12.5	29,720
1961	94,568	4,728	229,896	39,082	348,042	44,581	12.8	45,732
1963	41,075	2,054	88,293	15,010	133,810	17,286	12.9	20,422
1965	84,323	4,216	532,065	90,451	647,915	95,817	14.8	98,161
					Average 1957-59:		9.83	

Table 114. Catches and estimated interceptions in northern British Columbia by Canadian fishermen of chum salmon bound for Alaskan rivers, in numbers of fish, 1910-1966.

	I	II	III	IV	V	VI	VII	VIII	IX	X
	Subarea 3X		Subarea 3Y		Subarea 3Z		Area 3			Total Inter-
Year	Catch	Int.(43%)	Catch	Int.(21%)	Catch	Int.(22%)	Catch	Int.	Percent	ceptions
1910							4,747	1,059		1,059
1911							34,646	7,730		7,730
1912							23,622	5,270		5,270
1913							26,270	5,861		5,861
1914							129,369	28,862		28,862
1915							72,017	16,067		16,067
1916							69,196	15,438		15,438
1917							157,022	35,032		35,032
1918							251,340	56,074		56,074
1919							166,287	37,099		37,099
1920							78,696	17,557		17,557
1921							13,701	3,057		3,057
1922							72,636	16,205		16,205
1923							162,393	36,230		36,230
1924							179,745	40,101		40,101
1925							138,981	31,007		31,007
1926							104,735	23,366		23,366
1927							21,216	4,733		4,733
1928							23,997	5,354		5,354
1929							7,797	1,740		1,740
1930							21,800	4,864		4,864
1931							1,713	382		382
1932							54,572	12,175		12,175
1933							17,572	3,920		3,920
1934							35,109	7,833		7,833
1935							111,424	24,859		24,859
1936							143,841	32,091		32,091
1937							76,819	17,138		17,138
1938							95,529	21,313		21,313
1939							15,692	3,501		3,501
1940							35,697	7,964		7,964
1941							36,196	8,075		8,075
1942							76,543	17,077		17,077
1943							57,397	12,805		12,805
1944							66,931	14,932		14,932
1945							30,945	6,904		6,904
1946							99,172	22,125		22,125
1947							65,694	14,656		14,656
1948							50,515	11,270		11,270
1949							47,599	10,619		10,619
1950							92,949	20,737		20,737
1951							277,808	61,979		61,979
1952							99,352	22,165		22,165
1953							173,777	38,770		38,770
1954							88,544	19,754		19,754
1955							67,992	15,169		15,169
1956	8,246	3,546	82,046	17,230	271,048	59,631	361,340	80,406	22.3	80,406
1957	6,906	2,970	47,439	9,962	171,970	37,833	226,315	50,765	22.4	50,765
1958	5,163	2,220	43,677	9,172	129,446	28,478	178,286	39,870	22.4	39,870
1959	4,113	1,769	50,515	10,608	115,864	25,490	170,489	37,867	22.2	37,867
1960	7,319	3,147	39,311	8,255	135,699	29,854	182,329	41,256	22.6	41,256
1961	6,532	2,809	34,275	7,198	61,665	13,566	103,009	23,573	22.9	23,573
1962	7,001	3,010	11,531	2,422	12,842	2,825	31,374	8,257	26.3	8,257
1963	3,769	1,621	11,338	2,381	13,946	3,068	29,053	7,070	24.3	7,070
1964	6,753	2,904	17,954	3,770	68,540	15,079	93,247	21,753	23.3	21,753
1965	2,576	1,108	13,283	2,789	25,218	5,548	41,077	9,445	23.0	9,445
1966	5,200	2,236	20,485	4,302	47,399	10,428	73,084	16,966	23.2	16,966
							Average 1956-59:		22.31	

Note: Does not include small quantities of Alaska bound chums taken in Area 1.

Table 115. Catches and interceptions in northern British Columbia by Canadian fishermen, of coho salmon bound for Alaskan rivers, in numbers of fish, 1910-1966.

	I	II	III	IV	V	VI	VII	VIII	IX
	Net		All Gear						
	Area 1		Area 3X		Area 3Y		Area 3		
Year	Catch	Int.(7%)	Catch	Int.(16%)	Catch	Int.(8%)	Catch	Int.	Percent
1910							56,476	3,230	
1911							68,067	3,893	
1912							115,090	6,583	
1913							77,830	4,452	
1914							102,371	5,856	
1915							147,656	8,446	
1916							156,881	8,974	
1917							185,289	10,599	
1918							140,935	8,061	
1919							92,571	5,295	
1920							31,809	1,819	
1921							68,804	3,936	
1922							30,551	1,748	
1923							65,946	3,772	
1924							53,038	3,034	
1925							64,256	3,675	
1926							38,585	2,207	
1927							32,141	1,838	
1928							124,841	7,141	
1929							9,803	561	
1930							80,553	4,608	
1931							40,104	2,294	
1932							226,138	12,935	
1933							257,310	14,718	
1934							375,728	21,492	
1935							317,804	18,178	
1936							348,290	19,922	
1937							210,574	12,045	
1938							286,811	16,406	
1939							114,018	6,522	
1940							195,566	11,186	
1941							134,809	7,711	
1942							206,635	11,820	
1943							174,090	9,958	
1944							188,860	10,803	
1945							262,422	15,011	
1946							155,914	8,918	
1947							114,021	6,522	
1948							148,601	8,500	
1949							73,873	4,226	
1950							78,070	4,466	
1951	8,078	565					214,210	12,253	
1952	2,688	188					64,008	3,661	
1953	858	60					69,094	3,952	
1954	18,603	1,302					74,745	4,275	
1955	9,489	664					125,875	7,200	
1956	10,499	735	19,140	3,062	36,799	2,944	114,181	6,006	5.26
1957	8,512	596	17,204	2,753	37,353	2,988	110,206	5,741	5.21
1958	5,053	354	13,014	2,082	41,967	3,357	126,392	5,440	4.30
1959	2,066	145	14,741	2,359	31,719	2,538	60,407	4,896	8.11
1960	3,271	229	24,928	3,988	44,042	3,523	93,545	7,512	8.03
1961	2,848	199	3,739	598	14,086	1,127	83,253	1,725	2.07
1962	16,849	1,179	40,456	6,473	50,686	4,055	115,974	10,528	9.08
1963	15,524	1,087	4,065	650	22,408	1,793	40,230	2,443	6.07
1964	46,518	3,256	8,850	1,416	60,669	4,854	92,652	6,270	6.77
1965	42,713	2,990	8,196	1,311	38,752	3,100	101,899	4,412	4.33
1966	45,351	3,175	9,805	1,569	70,333	5,627	147,408	7,195	4.88
							Average 1956-59:		5.72

Continued ...

Table 115. Continued.

	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX
	Troll						Total B.C. Troll Catch	Total Troll Interceptions	Percent Troll Interceptions	Total Interceptions
	Alaska		Area 1-2		Area 4-6					
Year	Catch	Int.(75%)	Catch	Int.(16%)	Catch	Int.(6%)				
1910										3,230
1911										3,893
1912										6,583
1913										4,452
1914										5,856
1915										8,446
1916										8,974
1917										10,599
1918										8,061
1919										5,295
1920							385,876	12,194		14,013
1921							330,252	10,436		14,372
1922							339,382	10,724		12,472
1923							304,191	9,612		13,385
1924							224,462	7,093		10,127
1925							498,012	15,737		19,413
1926							725,140	22,914		25,121
1927							772,600	24,414		26,253
1928							557,681	17,623		24,764
1929							724,793	22,903		23,464
1930							1,279,312	40,426		45,034
1931							697,315	22,035		24,329
1932							1,294,135	40,895		53,830
1933							847,300	26,775		41,493
1934							3,058,490	96,648		118,140
1935							1,797,188	56,791		74,970
1936							2,521,193	79,670		99,592
1937							1,084,933	34,284		46,329
1938							1,363,476	43,086		59,491
1939							1,284,079	40,577		47,099
1940							1,251,826	39,558		50,744
1941							1,658,448	52,407		60,118
1942							1,705,080	53,881		65,700
1943							2,122,928	67,085		77,042
1944							647,740	20,469		31,271
1945							1,605,328	50,728		65,739
1946							973,600	30,766		39,684
1947							1,752,167	55,368		61,891
1948							1,353,483	42,770		51,270
1949							1,876,320	59,292		63,517
1950							1,876,320	59,292		63,757
1951			501,032	80,165	213,257	12,795	2,661,480	92,961	3.49	105,779
1952			286,829	44,933	205,981	12,359	2,359,896	57,292	2.43	61,141
1953			312,710	50,034	61,213	3,673	1,861,188	53,706	2.89	57,719
1954			330,541	52,887	112,037	6,722	1,550,176	59,609	3.85	65,186
1955			531,625	85,060	75,370	4,522	1,880,625	89,582	4.76	97,446
1956			328,710	52,594	119,112	7,147	1,802,750	59,740	3.31	66,482
1957			441,571	70,651	102,996	6,180	2,158,470	76,831	3.56	83,168
1958			227,286	36,366	84,396	5,064	2,044,486	41,430	2.03	47,223
1959			203,243	32,519	83,790	5,027	1,911,043	37,546	1.96	42,587
1960	50	38	192,173	30,748	73,787	4,427	1,483,076	35,212	2.37	42,953
1961	419	314	277,747	44,440	94,767	5,686	2,194,701	50,440	2.30	52,364
1962	3	2	414,306	66,289	156,402	9,384	2,508,290	75,675	3.02	87,383
1963	963	722	402,918	64,467	213,416	12,805	2,368,439	77,994	3.29	81,524
1964	188	141	456,853	73,096	344,265	20,656	2,965,699	93,893	3.17	103,419
1965	769	577	276,008	44,161	272,745	16,365	2,938,758	61,103	2.08	68,504
1966	518	389	465,149	74,424	444,479	26,669	3,779,052	101,481	2.69	111,851
								1951-54 Average:	3.16	

Table 116. Estimated interceptions in British Columbia by Canadian fishermen of pink salmon bound for the rivers of Washington, in numbers of fish, 1911-1965.

	I	II	III	IV	V
Year	Area 19/20 Total	Area 21-27 Troll	Total	Estimated Intercep. Percent	Interceptions
1911	242,709		242,709		42,353
1913	159,894		159,894		27,902
1915	134,082		134,082		23,397
1917	311,350		311,350		54,331
1919	379,156		379,156		66,163
1921	55,475		55,475		9,680
1923	113,026		113,026		19,723
1925	227,100		227,100		39,629
1927	147,122		147,122		25,673
1929	186,025		186,025		32,461
1931	458,166		458,166		79,950
1933	398,810		398,810		69,592
1935	326,515		326,515		56,977
1937	143,674		143,674	15.0	21,551
1939	172,993		172,993	19.9	34,426
1941	54,329		54,329	15.2	8,258
1943	34,347		34,347	25.0	8,587
1945	154,915		154,915	13.6	21,068
1947	886,877		886,877	7.4	65,629
1949	1,408,800		1,408,800	22.2	312,754
1951	1,641,641	61,006	1,702,647	10.3	175,373
1953	2,922,216	150,645	3,072,861	22.6	694,467
1955	3,255,935	100,253	3,356,188	15.2	510,141
1957	1,681,519	79,821	1,761,340	12.3	216,645
1959	1,539,108		1,539,108		364,378
1961	349,674		349,674		216,433
1963	3,387,337	584,782	3,972,119	66.7	2,649,403
1965	414,174	113,611	527,785	50.7	267,714
			Average 1937-39:	17.45	

Sources Column I: Argue et al. (1984), Tables 50a and 50b. Column II: Wong, (1984). Column III: Sum of Columns I and II. Column IV: 1937-1957 & 1963, Hourston et al (1965), Table 46; 1965, IPSFC estimate of Canadian catch of Puget Sound pinks as a percentage of IPSFC estimate of Canadian Convention Area catch in waters west of William Head (IPSFC Ann. Rept. for 1965). Column V: 1957-1959, Vernon et al (1964) and Hourston et al (1965); 1937-1957, 1963 and 1965 - Application of percentages in Column IV to Column III; 1905-1935, Application of average percentage for 1937-1939 (17.45%) to Column I.

Table 117. Catches and estimated interceptions in southern British Columbia by Canadian fishermen of chum salmon bound for Washington Rivers, in numbers of fish, 1910-1966.

	I	II	III	IV	V
	Areas 12-13		Area 20 *		Total Interceptions
Year	Catch	Int.(3%)	Catch	Int.(20%)	
1910	42,491	1,275	64,782	12,956	14,231
1911	65,720	1,972	98,484	19,697	21,668
1912	2,411	72	51,908	10,382	10,454
1913	61,203	1,836	22,124	4,425	6,261
1914	98,140	2,944	106,643	21,329	24,273
1915	118,061	3,542	27,285	5,457	8,999
1916	126,175	3,785	16,897	3,379	7,165
1917	240,240	7,207	43,288	8,658	15,865
1918	154,592	4,638	121,868	24,374	29,011
1919	251,956	7,559	71,419	14,284	21,842
1920	98,633	2,959	36,871	7,374	10,333
1921	77,551	2,327	25,314	5,063	7,389
1922	155,762	4,673	17,842	3,568	8,241
1923	199,315	5,979	40,041	8,008	13,988
1924	262,677	7,880	32,448	6,490	14,370
1925	516,428	15,493	15,177	3,035	18,528
1926	473,294	14,199	26,040	5,208	19,407
1927	526,194	15,786	118,011	23,602	39,388
1928	402,438	12,073	13,710	2,742	14,815
1929	302,187	9,066	60,370	12,074	21,140
1930	405,443	12,163	8,884	1,777	13,940
1931	243,184	7,296	10,821	2,164	9,460
1932	350,619	10,519	16,769	3,354	13,872
1933	388,466	11,654	5,065	1,013	12,667
1934	588,170	17,645	4,948	990	18,635
1935	690,526	20,716	4,310	862	21,578
1936	1,021,709	30,651	5,181	1,036	31,688
1937	927,670	27,830	2,578	516	28,346
1938	787,585	23,628	2,650	530	24,158
1939	610,025	18,301	3,014	603	18,904
1940	1,629,175	48,875	2,108	422	49,297
1941	1,847,466	55,424	4,285	857	56,281
1942	974,777	29,243	5,219	1,044	30,287
1943	636,264	19,088	2,741	548	19,636
1944	534,054	16,022	5,316	1,063	17,085
1945	1,019,762	30,593	4,750	950	31,543
1946	971,472	29,144	10,356	2,071	31,215
1947	1,858,579	55,757	8,949	1,790	57,547
1948	1,522,421	45,673	8,949	1,790	47,462
1949	982,959	29,489	8,949	1,790	31,279
1950	2,152,209	64,566	8,949	1,790	66,356
1951	1,820,494	54,615	7,542	1,508	56,123
1952	685,932	20,578	3,581	716	21,294
1953	1,609,822	48,295	10,094	2,019	50,313
1954	2,014,533	60,436	6,321	1,264	61,700
1955	497,564	14,927	18,972	3,794	18,721
1956	536,551	16,097	1,532	306	16,403
1957	343,964	10,319	3,068	614	10,933
1958	874,371	26,231	29,445	5,889	32,120
1959	774,140	23,224	36,190	7,238	30,462
1960	536,155	16,085	15,810	3,162	19,247
1961	246,200	7,386	13,272	2,654	10,040
1962	133,799	4,014	13,679	2,736	6,750
1963	289,088	8,673	19,638	3,928	12,600
1964	125,667	3,770	37,258	7,452	11,222
1965	23,334	700	23,584	4,717	5,417
1966	46,435	1,393	26,855	5,371	6,764

* 1947 to 1950 catches not available. Estimated as the average of the 1946 and 1951 catches.

Table 118. Interceptions by Canadian fisheries of coho salmon originating in Washington Rivers.*

	I	II	III	IV	V	VI	VII	VIII	IX	X
	Areas 7-11		Area 12		Areas 13-19		Area 20		Area 20 (net)	
Year	Catch	Int.(10%)	Catch	Int.(15%)	Catch	Int.(10%)	Catch	Int.(50%)	Catch	Int.(65%)
1951	221,304	22,130	379,196	56,879	158,592	15,859	2,919	1,460	208,150	135,298
1952	223,633	22,363	164,680	24,702	302,719	30,272	1,305	653	31,280	20,332
1953	133,079	13,308	202,726	30,409	303,049	30,305	1,916	958	356,271	231,576
1954	71,315	7,132	170,830	25,625	210,800	21,080	380	190	111,724	72,621
1955	100,729	10,073	174,080	26,112	308,752	30,875	541	271	255,871	166,316
1956	127,428	12,743	238,202	35,730	192,889	19,289	861	431	126,103	81,967
1957	175,858	17,586	301,240	45,186	301,591	30,159	9,829	4,915	451,988	293,792
1958	201,511	20,151	203,003	30,450	362,940	36,294	8,383	4,192	258,181	167,818
1959	113,185	11,319	209,917	31,488	257,461	25,746	16,424	8,212	400,767	260,499
1960	115,895	11,590	108,817	16,323	491,148	49,115	693	347	82,010	53,307
1961	116,841	11,684	176,553	26,483	305,142	30,514	7,085	3,543	456,401	296,661
1962	185,545	18,555	187,100	28,065	271,951	27,195	18,400	9,200	390,409	253,766
1963	205,486	20,549	194,444	29,167	126,800	12,680	10,810	5,405	344,946	224,215
1964	174,894	17,489	276,024	41,404	285,454	28,545	12,396	6,198	303,103	197,017
1965	78,520	7,852	291,661	43,749	214,398	21,440	6,362	3,181	453,659	294,878
1966	196,168	19,617	698,110	104,717	316,249	31,625	7,873	3,937	564,169	366,710

	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX
	Areas 21-24		Areas 25-27		Areas 29-30		Area C		Troll Inter-	Total Inter-
Year	Catch	Int.(55%)	Catch	Int.(50%)	Catch	Int.(10%)	Catch	Int.(76%)	ceptions	ceptions
1951	398,212	219,017	658,965	329,483	17,254	1,725			646,553	781,851
1952	624,511	343,481	451,846	225,923	2,279	228	44,779	34,032	681,654	701,986
1953	485,727	267,150	274,151	137,076	32,000	3,200	23,305	17,712	500,117	731,693
1954	392,363	215,800	231,862	115,931	4,471	447	2,779	2,112	388,316	460,936
1955	256,154	140,885	377,185	188,593	2,976	298	559	425	397,530	563,846
1956	297,848	163,816	341,572	170,786	12	1	8,300	6,308	409,104	491,071
1957	362,292	199,261	299,410	149,705	4,554	455	116	88	447,355	741,147
1958	366,516	201,584	457,239	228,620	12,349	1,235	0	0	522,525	690,343
1959	610,504	335,777	308,926	154,463	14,669	1,467	16	12	568,483	828,982
1960	199,485	109,717	170,105	85,053	4,360	436	16	12	272,591	325,897
1961	696,627	383,145	399,220	199,610	4,744	474	67	51	655,504	952,165
1962	778,236	428,030	290,972	145,486	3,548	355	3,137	2,384	659,269	913,035
1963	736,401	405,021	342,848	171,424	4,738	474	2,295	1,744	646,463	870,678
1964	853,764	469,570	355,842	177,921	2,013	201	949	721	742,050	939,067
1965	1,241,764	682,970	458,166	229,083	1,410	141	5,401	4,105	992,521	1,287,399
1966	1,082,622	595,442	337,804	168,902	6,845	685	9,530	7,243	932,166	1,298,876

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* All catches listed are troll catches unless otherwise indicated.

Table 119. Interceptions by Canadian fisheries of chinook salmon originating in Washington Rivers.

	Alaska		Areas 1 & 2		Area 3		Area 4		Area 5		Area 6-12	
Year	Catch	Int.(60%)	Catch	Int.(50%)	Catch	Int.(5%)	Catch	Int.(25%)	Catch	Int.(50%)	Catch	Int.(40%)
1951			48,200	24,100	8,657	433	18,025	4,506	24,529	12,265	24,411	9,764
1952			49,047	24,524	10,131	507	29,124	7,281	30,832	15,416	32,078	12,831
1953			64,128	32,064	7,925	396	21,196	5,299	27,575	13,788	32,755	13,102
1954			39,411	19,706	6,873	344	15,950	3,988	13,322	6,661	27,873	11,149
1955			30,736	15,368	6,346	317	12,654	3,164	10,041	5,021	27,006	10,802
1956			31,680	15,840	7,182	359	10,150	2,538	9,561	4,781	31,524	12,610
1957			32,090	16,045	8,955	448	11,803	2,951	9,402	4,701	31,759	12,704
1958			46,003	23,002	12,764	638	16,056	4,014	9,429	4,715	40,626	16,250
1959			48,392	24,196	15,311	766	16,459	4,115	13,377	6,689	50,751	20,300
1960	294	176	35,694	17,847	11,407	570	15,551	3,888	12,208	6,104	31,488	12,595
1961	1,465	879	44,139	22,070	7,742	387	10,470	2,618	11,266	5,633	31,229	12,492
1962	1,147	688	25,061	12,531	5,675	284	11,454	2,864	10,345	5,173	31,702	12,681
1963	5,213	3,128	31,611	15,806	6,146	307	15,302	3,826	22,684	11,342	63,585	25,434
1964	8,959	5,375	62,759	31,380	10,756	538	30,573	7,643	32,599	16,300	77,551	31,020
1965	4,764	2,858	58,871	29,436	7,224	361	24,225	6,056	33,633	16,817	68,325	27,330
1966	4,015	2,409	84,106	42,053	10,250	513	23,455	5,864	34,609	17,305	108,022	43,209

	Area 12 Net		Area 13-19		Area 20 All Gear		Area 21-24		Area 25-27	
Year	Catch	Int.(3%)	Catch	Int.(14%)	Catch	Int.(50%)	Catch	Int.(80%)	Catch	Int.(75%)
1951	15,500	465	40,194	5,627	33,597	16,799	202,394	161,915	68,280	51,210
1952	14,119	424	47,962	6,715	23,416	11,708	233,714	186,971	97,103	72,827
1953	15,714	471	66,082	9,251	34,412	17,206	241,956	193,565	102,737	77,053
1954	11,943	358	51,269	7,178	20,785	10,393	193,475	154,780	91,918	68,939
1955	15,297	459	36,861	5,161	33,435	16,718	196,324	157,059	94,162	70,622
1956	14,020	421	46,936	6,571	14,290	7,145	245,341	196,273	115,293	86,470
1957	8,911	267	66,608	9,325	18,672	9,336	196,473	157,178	139,876	104,907
1958	22,615	678	89,120	12,477	22,335	11,168	152,719	122,175	99,316	74,487
1959	18,027	541	68,249	9,555	13,507	6,754	161,533	129,226	70,761	53,071
1960	17,644	529	50,234	7,033	11,715	5,858	124,544	99,635	51,251	38,438
1961	20,911	627	40,277	5,639	24,058	12,029	115,279	92,223	35,915	26,936
1962	13,774	413	41,250	5,775	15,687	7,844	118,860	95,088	38,465	28,849
1963	23,088	693	115,962	16,235	29,420	14,710	204,040	163,232	73,302	54,977
1964	23,574	707	83,426	11,680	27,062	13,531	304,984	243,987	38,561	28,921
1965	28,380	851	89,531	12,534	45,715	22,858	360,481	288,385	44,412	33,309
1966	38,754	1,163	98,360	13,770	39,799	19,900	466,467	373,174	56,531	42,398

	Area 28		Area 29		Area 30		Area C		Total Inter-ceptions	Troll Inter-ceptions
Year	Catch	Int.(14%)	Catch	Int.(10%)	Catch	Int.(40%)	Catch	Int.(90%)		
1951	678	95	29	3	439	176			287,357	270,218
1952	2,325	326	24	2	91	36	2,086	1,877	341,445	329,511
1953	2,447	343	85	9	1,214	486	3,625	3,263	366,294	348,743
1954	3,271	458	0	0	419	168	2,943	2,649	286,768	276,069
1955	2,975	417	770	77	116	46	128	115	285,344	268,259
1956	823	115	692	69	0	0	507	456	333,647	326,129
1957	6,752	945	2,564	256	171	68	16	14	319,146	309,756
1958	3,509	491	924	92	563	225			270,412	259,216
1959	3,679	515	1,121	112	1,031	412			256,251	249,434
1960	2,491	349	3,193	319	602	241			193,583	187,673
1961	2,103	294	1,678	168	192	77	5	5	182,076	170,329
1962	1,465	205	950	95	152	61	297	267	172,816	165,881
1963	2,293	321	2,971	297	639	256	506	455	311,017	301,037
1964	3,046	426	2,629	263	60	24	89	80	391,875	382,411
1965	983	138	1,190	119	391	156	263	237	441,445	419,255
1966	1,703	238	1,871	187	706	282	1,081	973	563,437	544,327

* All catches listed are troll catches unless otherwise indicated.

Table 120. Troll catches and estimated interceptions in Canadian waters of coho salmon bound for the rivers of Washington, in numbers of fish, 1910-1966.

	I	II	III	IV	V	VI	VII	VIII
						Area 20 Nets		
Year	Sample Troll Catch	Sample Inter-ceptions	Percent of I	Total Troll Catch	Total Troll Inter-ceptions	Net Catch	Inter-ceptions (65%)	Total Inter-ceptions
1910						170,594	110,886	110,886
1911						128,614	83,599	83,599
1912						139,241	90,507	90,507
1913						137,934	89,657	89,657
1914						786,645	511,319	511,319
1915						190,667	123,933	123,933
1916						143,558	93,313	93,313
1917						128,959	83,823	83,823
1918						168,669	109,635	109,635
1919						291,317	189,356	189,356
1920				385,876	101,485	113,995	74,096	175,582
1921				330,252	86,856	159,103	103,417	190,273
1922				339,382	89,257	179,773	116,853	206,110
1923				304,191	80,002	151,092	98,210	178,212
1924				224,462	59,034	188,266	122,373	181,406
1925				498,012	130,977	221,116	143,725	274,702
1926				725,140	190,712	126,747	82,386	273,098
1927				772,600	203,194	46,073	29,947	233,141
1928				557,681	146,670	111,652	72,574	219,244
1929				724,793	190,621	139,404	90,613	281,233
1930				1,279,312	336,459	76,718	49,866	386,325
1931				697,315	183,394	93,830	60,989	244,383
1932				1,294,135	340,358	66,633	43,311	383,669
1933				847,300	222,840	66,804	43,423	266,263
1934				3,058,490	804,383	29,808	19,375	823,758
1935				1,797,188	472,660	51,574	33,523	506,183
1936				2,521,193	663,074	44,918	29,197	692,270
1937				1,084,933	285,337	30,167	19,609	304,946
1938				1,363,476	358,594	34,402	22,361	380,955
1939				1,284,079	337,713	55,698	36,203	373,916
1940				1,251,826	329,230	34,879	22,671	351,902
1941				1,658,448	436,172	52,379	34,046	470,218
1942				1,705,080	448,436	43,345	28,174	476,610
1943				2,122,928	558,330	36,377	23,645	581,975
1944				647,740	170,356	90,391	58,754	229,110
1945				1,605,328	422,201	96,103	62,467	484,668
1946				973,600	256,057	25,429	16,529	272,586
1947				1,752,167	460,820	156,113	101,473	562,293
1948				1,353,483	355,966	28,354	18,430	374,396
1949				1,876,320	493,472	156,113	101,473	594,945
1950				1,876,320	493,472	28,354	18,430	511,902
1951	2,661,480	646,553	24.3	2,399,156	582,827	208,150	135,298	718,124
1952	2,359,896	681,654	28.9	2,129,471	615,096	31,280	20,332	635,428
1953	1,861,188	500,117	26.9	1,781,874	478,805	356,271	231,576	710,381
1954	1,550,176	388,316	25.0	1,479,623	370,642	111,724	72,621	443,263
1955	1,880,625	397,530	21.1	1,825,472	385,872	255,871	166,316	552,188
1956	1,802,750	409,104	22.7	1,688,309	383,134	126,103	81,967	465,101
1957	2,158,470	447,355	20.7	2,042,637	423,348	451,988	293,792	717,140
1958	2,044,486	522,525	25.6	1,987,542	507,972	258,181	167,818	675,789
1959	1,911,043	568,483	29.7	1,855,179	551,865	400,767	260,499	812,364
1960	1,483,076	272,591	18.4	1,412,038	259,534	82,010	53,307	312,840
1961	2,194,701	655,504	29.9	2,113,749	631,326	456,401	296,661	927,986
1962	2,508,290	659,269	26.3	2,376,074	624,518	390,409	253,766	878,284
1963	2,368,439	646,463	27.3	2,258,010	616,321	344,946	224,215	840,536
1964	2,965,699	742,050	25.0	2,811,243	703,404	303,103	197,017	900,421
1965	2,938,758	992,521	33.8	2,861,641	966,476	453,659	294,878	1,261,354
1966	3,779,052	932,166	24.7	3,604,619	889,139	564,169	366,710	1,255,849
	1951-1954 Average:		26.3					

Sources Column I: From Wong (1984), sum of estimated troll catches by area and by gear for all British Columbia. Column II: From Column XIX of Table 118. Column III: Percentage, Column II of Column I. Column IV: 1920-1948, from Milne (1964), Table XI; 1949 and 1950, Data lacking - Catches assumed to equal average of 1948 and 1951; 1951-1966, From British Columbia Catch Statistics for 1951-1966. Column V: 1920-1950: 26.3% of Column IV (See text); 1951-1966, Percentages from Column III applied to Column IV. Column VI: 1910-1946, Argue et al. (1984), Tables 50a and 50b; 1947-1950, Data lacking; Catches in 1948 and 1950 assumed to equal the average of 1946 and 1952. Catches in 1947 and 1949 assumed to be 75% of catch in 1951. Column VII: 65% of Column VI (See text). Column VIII: Column V plus Column VII.

Table 121. Troll catches and estimated interceptions in Canadian waters of chinook salmon bound for the rivers of Washington, in numbers of fish, 1910-1966.

	I	II	III	IV	V	VI	VII	VIII
						Area 20 Nets		
Year	Sample Troll Catch	Sample Inter-ceptions	Percent of VI	Total Troll Catch	Total Troll Inter-ceptions	Net Catch	Inter-ceptions (50%)	Total Inter-ceptions
1910						152,870	76,435	76,435
1911						12,581	6,290	6,290
1912						80,448	40,224	40,224
1913						103,933	51,966	51,966
1914						205,423	102,711	102,711
1915						74,590	37,295	37,295
1916						56,117	28,058	28,058
1917						36,342	18,171	18,171
1918						43,455	21,727	21,727
1919						87,004	43,502	43,502
1920				199,492	122,887	53,233	26,617	149,504
1921				104,743	64,522	43,974	21,987	86,509
1922				99,621	61,367	72,905	36,453	97,819
1923				42,037	25,895	2,783	1,392	27,286
1924				59,265	36,507	6,808	3,404	39,911
1925				132,136	81,396	66,964	33,482	114,878
1926				135,246	83,312	31,567	15,783	99,095
1927				294,325	181,304	55,549	27,775	209,079
1928				175,441	108,072	72,132	36,066	144,138
1929				148,469	91,457	53,229	26,615	118,071
1930				158,815	97,830	38,430	19,215	117,045
1931				291,800	179,749	38,092	19,046	198,795
1932				175,683	108,221	40,126	20,063	128,284
1933				135,786	83,644	24,938	12,499	96,143
1934				1,350,636	831,992	25,580	12,790	844,782
1935				1,048,667	645,979	22,601	11,301	657,280
1936				741,162	456,556	21,692	10,846	467,402
1937				483,871	298,065	22,514	11,257	309,322
1938				144,978	89,306	18,370	9,185	98,492
1939				117,450	72,349	27,287	13,644	85,993
1940				118,771	73,163	31,914	15,957	89,120
1941				311,572	191,928	23,925	11,962	203,891
1942				216,073	133,101	24,404	12,202	145,303
1943				459,094	282,802	19,331	9,665	292,467
1944				146,169	90,040	28,273	14,137	104,177
1945				199,727	123,032	55,493	27,747	150,778
1946				439,375	270,655	44,049	22,024	292,679
1947				611,858	376,905	38,698	19,349	396,254
1948				330,696	203,709	38,698	19,349	223,058
1949				427,980	263,635	38,698	19,349	282,985
1950				427,980	263,635	38,698	19,349	282,985
1951	436,084	270,218	62.0	525,263	325,478	33,348	16,674	342,152
1952	534,911	329,511	61.6	619,670	381,723	23,021	11,511	393,233
1953	571,977	348,743	61.0	703,046	428,658	34,159	17,080	445,738
1954	446,824	276,069	61.8	575,992	355,875	20,681	10,341	366,216
1955	418,301	268,259	64.1	588,999	377,729	33,253	16,627	394,355
1956	499,782	326,129	65.3	733,531	478,660	14,194	7,097	485,757
1957	506,894	309,756	61.1	724,855	442,949	18,246	9,123	452,072
1958	472,324	259,216	54.9	729,443	400,325	21,036	10,518	410,843
1959	451,616	249,434	55.2	654,180	361,313	12,553	6,277	367,589
1960	339,909	187,673	55.2	494,977	273,290	10,761	5,381	278,670
1961	303,578	170,329	56.1	467,943	262,549	22,239	11,120	273,669
1962	289,463	165,881	57.3	470,426	269,584	13,044	6,522	276,106
1963	565,790	301,037	53.2	555,099	295,349	18,575	9,288	304,636
1964	682,926	382,411	56.0	665,451	372,626	17,513	8,757	381,383
1965	715,802	419,255	58.6	697,364	408,455	42,677	21,339	429,794
1966	921,006	544,327	59.1	895,080	529,004	35,895	17,948	546,952
	1951-1954 Average:		61.6					

Sources Column I: From Wong (1984), sum of estimated troll catches by area and by gear for all British Columbia. Column II: From final column of Table 119. Column III: Percentage, Column II of Column I. Column IV: 1920-1948, from Milne (1964), Table III; 1949 and 1950, data lacking - Catches assumed to equal average of 1948 and 1951; 1951-1966, from British Columbia Catch Statistics for 1951-1966. Column V: 1920-1950: 64.7% of Column IV (See text); 1951-1966, Percentages from Column III applied to Column IV. Column VI: 1910-1946, Argue (1984), Tables 50a and 50b; 1947-1950, Data lacking. Catches assumed to equal the average of 1946 and 1952. Column VII: 50% of Column VI - See Text. Column VIII: Column V plus Column VII.

Table 122. Estimated production of sockeye salmon from the coastal rivers of British Columbia, in thousands of fish, 1873-1982.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
	Total British Columbia Catch		Catch of B.C. Fish By: Washington		Catch of B.C. Fish By: Alaska		Catch by B.C. of Fish Bound For: Washington		Catch by B.C. of Fish Bound For: Alaska		Net Production	
Year	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1873	93.6	295									93.6	295
1874											-	-
1875											-	-
1876	126.9	400									126.9	400
1877	869.9	2,733									869.9	2,733
1878	1,377.9	4,321			41.4	118					1,419.3	4,321
1879	739.9	2,298			51.2	145					791.0	2,298
1880	527.7	1,612			50.1	142					577.8	1,612
1881	2,102.0	6,540			68.0	195					2,170.9	6,540
1882	2,700.9	8,380			88.2	250					2,789.1	8,380
1883	2,151.8	6,552			63.2	179					2,214.9	6,552
1884	1,478.7	4,372			47.4	135					1,526.1	4,372
1885	1,298.0	4,035			64.6	184					1,362.6	4,035
1886	1,120.5	3,361			62.1	176					1,182.7	3,361
1887	2,277.1	6,970			101.9	289					2,379.0	6,970
1888	1,651.2	4,918			139.2	395					1,790.3	4,918
1889	4,713.4	14,578	274.5	1,647	108.3	308					5,096.2	14,578
1890	4,345.1	13,253	884.4	5,306	125.5	356					5,355.0	13,253
1891	2,929.5	8,861	310.3	1,862	135.2	384					3,375.1	8,861
1892	2,238.2	6,649	1,064.5	6,387	125.1	344					3,427.9	6,649
1893	6,733.0	20,831	1,088.2	6,529	136.5	376					7,957.7	20,831
1894	5,616.5	17,333	1,215.7	7,294	159.6	432					6,991.8	17,333
1895	5,990.3	18,383	1,119.8	6,719	151.0	402					7,261.0	18,383
1896	6,438.0	19,558	1,205.1	7,231	141.2	401					7,784.3	19,558
1897	11,507.3	35,789	4,257.8	25,547	93.7	266					15,858.8	35,789
1898	5,053.0	15,223	4,302.0	25,812	91.1	259					9,446.2	15,223
1899	8,185.6	25,053	6,876.5	41,259	95.0	270					15,157.0	25,053
1900	4,699.6	14,083	3,187.0	19,122	96.8	275					7,983.4	14,083
1901	13,023.8	40,374	14,012.4	84,074	118.9	338					27,155.1	40,374
1902	6,217.0	18,763	4,248.5	25,491	83.8	238					10,549.2	18,763
1903	4,360.3	13,090	2,024.4	12,146	92.3	262					6,477.0	13,090
1904	4,091.8	11,903	1,689.2	10,135	139.3	396					5,920.3	11,903
1905	12,568.2	38,684	10,434.1	62,605	97.8	278					23,100.2	38,684
1906	5,552.2	16,471	2,135.1	12,811	102.7	292					7,790.1	16,471
1907	3,904.6	11,388	1,099.3	6,596	103.0	292					5,106.9	11,388
1908	4,332.3	12,644	1,995.6	11,974	104.8	298					6,432.7	12,644
1909	9,345.9	28,493	14,035.5	84,213	83.4	237					23,464.8	28,493
1910	6,970.2	20,472	2,845.8	17,075	114.5	325			11.7	35.2	9,918.8	20,472
1911	5,037.5	14,585	1,524.2	9,145	134.6	382			13.8	41.6	6,682.6	14,585
1912	5,629.5	16,387	2,116.5	12,699	121.1	344			13.5	40.7	7,853.6	16,387
1913	11,563.0	35,361	21,892.4	131,354	55.3	157			8.5	25.7	33,502.9	35,361
1914	6,423.6	18,900	4,002.8	24,017	71.9	204			9.2	27.6	10,489.2	18,900
1915	5,652.3	16,449	805.1	4,831	85.0	241			14.9	44.9	6,527.5	16,449
1916	2,586.2	7,503	951.9	5,711	76.3	217			11.8	35.6	3,602.5	7,503
1917	4,226.1	12,588	5,112.5	30,675	96.9	275			8.5	25.6	9,427.1	12,588
1918	3,321.0	9,576	1,136.6	6,819	118.9	338			8.3	24.9	4,568.2	9,576
1919	4,923.9	14,247	874.8	5,249	218.0	619			10.8	32.4	6,006.0	14,247
1920	4,648.0	13,404	702.1	4,212	167.6	476			6.6	19.9	5,511.1	13,404
1921	2,027.9	5,928	1,277.1	7,663	65.7	186			3.6	10.8	3,367.1	5,928
1922	3,789.9	11,031	971.9	5,832	129.3	367			12.3	36.9	4,878.9	11,031
1923	4,307.0	12,472	1,070.3	6,422	195.2	554			6.8	20.6	5,565.7	12,472
1924	4,832.6	13,990	869.7	5,218	224.8	638			12.9	38.7	5,914.2	13,990
1925	5,245.5	15,835	1,446.1	8,677	115.9	329			7.3	22.1	6,800.2	15,835
1926	4,531.9	13,167	789.1	4,735	153.3	435			6.6	19.9	5,467.7	13,167
1927	3,932.6	11,392	1,159.8	6,959	92.2	262			4.6	13.8	5,180.0	11,392
1928	2,789.9	8,089	680.7	4,132	81.7	232			1.8	5.3	3,550.6	8,089
1929	3,463.5	10,882	1,473.5	8,841	112.3	319			6.2	18.5	5,043.0	10,882
1930	6,462.2	18,904	3,680.2	22,081	140.4	399			7.9	23.9	10,274.9	18,904

Continued ...

Table 122. Continued

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
	Total British Columbia Catch		Catch of B.C. Fish By: Washington		Alaska		Catch by B.C. of Fish Bound For: Washington		Alaska		Net Production	
Year	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1931	4,071.0	11,823	1,023.2	6,139	156.9	451			2.3	6.8	5,250.8	11,823
1932	4,363.7	12,797	880.5	5,283	112.7	320			5.2	15.6	5,351.7	12,797
1933	3,450.3	9,955	1,814.8	10,889	74.2	211			3.9	11.8	5,335.5	9,955
1934	4,648.6	13,766	3,680.0	22,080	82.0	233			13.9	41.9	8,396.7	13,766
1935	4,623.7	13,372	619.6	4,288	132.4	376			4.9	14.7	5,370.8	13,372
1936	5,283.8	15,549	588.7	3,805	218.8	621			10.8	32.6	6,080.4	15,549
1937	4,171.4	12,057	957.0	6,587	190.1	540			7.4	22.2	5,311.1	12,057
1938	5,334.2	15,769	1,488.7	10,377	192.9	548			8.3	24.9	7,007.6	15,769
1939	3,292.2	9,534	600.4	4,137	197.7	561			8.9	26.9	4,081.4	9,534
1940	4,261.5	12,361	720.2	4,704	153.2	435			5.1	15.2	5,129.8	12,361
1941	5,230.4	15,345	1,657.3	10,717	181.4	515			9.1	27.5	7,060.0	15,345
1942	7,670.5	23,236	2,962.8	20,608	171.6	487			9.0	27.0	10,796.0	23,236
1943	1,971.0	5,710	259.2	1,760	95.9	272			5.9	17.7	2,320.2	5,710
1944	2,427.3	7,052	431.8	2,787	148.2	421			4.6	13.9	3,002.8	7,052
1945	3,568.9	10,391	692.5	4,388	148.8	422			3.4	10.3	4,406.8	10,391
1946	4,838.2	14,549	3,564.4	21,762	72.4	206	5.0	15.5	4.9	14.8	8,465.1	14,534
1947	3,905.3	9,791	235.1	1,487	45.0	128	5.0	15.5	3.7	11.2	4,176.6	9,778
1948	2,827.9	8,943	1,094.8	6,169	43.9	125	5.0	15.5	4.5	13.6	3,957.2	8,927
1949	2,959.0	8,657	1,046.2	6,052	39.7	113	5.0	15.5	3.1	9.5	4,036.8	8,642
1950	4,549.0	13,308	1,243.3	8,495	44.2	126	5.0	15.5	8.2	24.6	5,823.3	13,293
1951	4,385.9	13,540	1,159.2	7,970	39.3	112	5.0	20.1	6.9	20.1	5,572.6	13,525
1952	4,887.8	13,966	1,235.5	8,712	60.3	171	5.0	12.9	9.3	27.0	6,169.4	13,952
1953	5,920.7	16,031	2,049.6	12,471	153.4	436	5.0	13.0	6.1	18.5	8,112.6	16,017
1954	6,964.8	21,331	4,845.0	34,856	83.9	238	5.0	16.3	3.1	9.7	11,885.6	21,316
1955	2,835.7	7,552	1,036.7	6,240	54.6	155	5.0	13.5	4.8	12.8	3,917.2	7,539
1956	3,257.5	9,752	946.4	6,103	89.7	255	5.0	14.5	6.3	17.3	4,282.3	9,737
1957	3,034.0	7,136	1,730.1	8,871	177.6	504	5.0	11.2	5.5	14.8	4,931.3	7,124
1958	12,047.5	33,618	5,405.9	33,178	122.0	347	5.0	14.0	12.2	34.6	17,558.3	33,604
1959	3,254.3	8,192	1,941.2	10,326	131.6	374	5.0	12.2	6.4	17.3	5,315.7	8,179
1960	2,857.6	7,022	1,329.1	7,371	90.8	258	5.0	12.6	3.2	7.9	4,269.5	7,009
1961	5,307.7	12,076	1,398.4	8,220	71.5	203	5.0	13.4	9.1	24.4	6,763.5	12,064
1962	3,499.2	8,920	754.5	4,963	127.8	363	5.0	15.1	8.8	25.6	4,367.7	8,907
1963	2,086.0	5,385	1,309.2	7,543	110.8	315	5.0	13.2	1.3	3.5	3,499.6	5,373
1964	3,619.1	10,410	514.1	3,011	187.4	532	5.0	13.0	7.2	21.0	4,308.3	10,396
1965	3,019.5	7,358	1,015.5	5,873	192.7	547	5.0	12.5	3.8	9.7	4,218.9	7,346
1966	4,020.3	11,659	1,337.6	9,003	88.3	251	5.0	15.6	7.7	21.7	5,433.5	11,645
1967	6,748.1	16,845	2,086.0	12,078	283.0	804	1.0	2.7	24.0	65.6	9,092.1	16,843
1968	6,345.7	19,004	884.0	5,083	106.0	301	7.0	18.5	14.0	43.3	7,314.7	18,983
1969	4,267.6	10,951	1,584.0	9,218	110.0	312	9.0	23.3	9.0	24.6	5,943.6	10,927
1970	4,078.0	11,417	1,348.0	8,579	57.0	162	-	-	6.0	16.2	5,477.0	11,417
1971	6,303.7	17,325	2,757.6	16,391	101.8	289	13.1	37.2	8.7	23.0	9,141.3	17,289
1972	3,562.7	9,485	1,127.4	6,621	169.6	482	6.1	16.5	10.7	30.6	4,842.9	9,468
1973	7,574.8	21,453	2,612.4	15,075	200.9	571	10.0	26.7	7.6	21.9	10,370.5	21,424
1974	7,222.5	21,685	2,460.7	16,262	166.7	473	6.8	20.7	23.2	69.1	9,819.9	21,665
1975	2,271.5	5,682	1,560.1	8,924	40.2	114	9.5	24.4	6.9	18.1	3,855.4	5,658
1976	4,813.8	12,341	1,321.8	7,916	175.4	498	12.2	33.4	6.0	16.5	6,292.8	12,310
1977	6,346.2	16,383	1,730.8	10,557	330.7	939	30.1	84.3	22.5	66.1	8,355.1	16,305
1978	7,221.0	22,318	1,360.4	8,881	217.3	617	3.0	9.1	10.0	30.0	8,785.7	22,309
1979	5,668.8	14,456	1,769.4	10,472	334.8	951	1.9	5.2	15.5	38.8	7,755.6	14,451
1980	3,185.8	7,838	462.3	2,515	429.7	1,220	2.1	5.3	11.7	31.4	4,064.0	7,833
1981	8,412.9	18,902	1,290.3	7,372	281.4	799	3.5	9.3	26.0	61.4	9,955.0	18,895
1982	10,050.9	29,970	2,866.0	18,361	336.8	957	2.0	6.0	18.9	56.6	13,232.9	29,964

Sources Columns I & II: 1876-1946 & 1951-1982 from Argue et al. (1985); 1947-1950 from INPFC Bull. 39, Table 62. Columns III & IV: Table 165. Column V: Table 99. Column VI: Table 105. Column VII: 1946-1966 - See Text; 1967-1982, Fletcher (1984). Column VIII: Column VII converted at av. ann. wt./fish in Juan de Fuca Strait from Argue et al. (1984). Column IX: 1910-1966, Table 111; 1967-1982, Fletcher (1984). Column X: Column IX converted at av. ann. wt./fish for the Naas area from Argue et al. (1984). Column XI: Column I+(Columns III+V) -(Columns VII=IX). Column XII: Column II+(Columns IV+VI)-(Columns VIII+X).

Table 123. Estimated production of even-year pink salmon from the coastal rivers of British Columbia, 1876-1982.

	I	II	V	VI	IX	X	XI	XII
	Total British Columbia Catch		Catch of B.C. Fish By: Alaska		Catch by B.C. of Fish Bound For: Alaska		Net Production	
Year	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1876	0.8	2					0.8	2
1878	8.3	18					8.3	18
1880	3.1	6					3.1	6
1882	8.2	17					8.2	17
1884	9.1	19					9.1	19
1886	4.6	10					4.6	10
1888	6.9	15					6.9	15
1890	4.8	10					4.8	10
1892	3.4	7					3.4	7
1894	7.7	16					7.7	16
1896	3.9	8	0.6	1.0			4.5	9
1898	4.3	9	3.5	6.0			7.8	15
1900	216.0	462	13.2	22.9			229.2	485
1902	430.4	911	32.0	55.4			462.5	966
1904	566.7	1,212	6.9	12.0			573.6	1,224
1906	1,071.3	2,285	41.3	71.4			1,112.6	2,356
1908	1,363.7	2,880	71.1	123.0			1,434.7	3,003
1910	881.7	1,830	40.0	69.2	22.9	49	898.9	1,850
1912	4,410.4	9,325	134.4	232.4	179.0	383	4,365.7	9,174
1914	3,960.7	8,297	43.8	75.8	152.2	326	3,852.3	8,047
1916	5,241.0	11,067	97.2	168.2	238.3	510	5,100.0	10,725
1918	8,316.0	17,613	147.0	254.2	374.4	801	8,088.6	17,066
1920	8,792.3	18,591	114.7	198.5	379.4	812	8,527.6	17,977
1922	10,374.1	22,021	272.1	470.7	494.9	1,059	10,151.3	21,433
1924	12,081.8	25,581	345.1	597.0	463.0	991	11,963.9	25,188
1926	13,611.1	28,794	252.1	436.1	408.8	875	13,454.4	28,355
1928	13,864.4	29,301	234.8	406.2	500.8	1,072	13,598.4	28,636
1930	19,033.3	40,227	276.0	477.4	595.5	1,274	18,713.7	39,430
1932	4,428.9	9,259	192.2	332.5	161.9	347	4,459.1	9,245
1934	8,638.8	18,016	457.7	791.7	137.1	293	8,959.4	18,514
1936	11,730.9	24,563	486.6	841.8	320.9	687	11,896.6	24,718
1938	8,177.2	17,149	262.7	454.5	262.4	561	8,177.5	17,042
1940	3,985.3	8,401	240.4	415.9	144.0	308	4,081.7	8,509
1942	4,792.6	10,186	254.9	441.0	200.9	430	4,846.6	10,197
1944	6,092.0	12,755	129.3	223.7	153.8	329	6,067.5	12,649
1946	2,300.5	4,807	277.1	479.4	40.3	86	2,537.3	5,200
1948	7,012.8	12,125	166.0	287.2	108.0	231	7,070.9	12,181
1950	6,876.0	18,278	100.6	174.0	79.6	170	6,897.0	18,282
1952	11,416.1	23,217	50.7	87.7	187.3	388	11,279.4	22,916
1954	5,617.3	11,682	50.1	86.6	145.7	321	5,521.7	11,448
1956	7,351.9	13,141	123.6	213.9	172.3	295	7,303.2	13,060
1958	6,908.0	15,384	111.9	193.5	197.9	468	6,822.0	15,109
1960	4,097.3	7,707	28.9	50.0	31.3	61	4,094.9	7,696
1962	23,427.9	42,451	83.7	144.8	169.9	329	23,341.7	42,267
1964	9,627.6	16,675	77.4	133.8	194.2	338	9,510.7	16,471
1966	17,259.5	33,322	118.0	204.1	281.0	557	17,096.5	32,968
1968	20,246.5	35,943	372.0	643.6	446.0	602	20,172.5	35,984
1970	13,597.5	24,073	68.0	117.6	497.0	882	13,168.5	23,309
1972	13,993.1	17,856	196.5	339.9	513.1	602	13,676.5	17,594
1974	7,373.2	11,206	127.0	219.7	107.2	170	7,393.0	11,255
1976	10,347.8	17,062	59.8	103.5	156.8	264	10,250.8	16,902
1978	10,747.4	15,323	296.3	512.6	1128.4	1,645	9,915.3	14,191
1980	8,362.2	14,044	327.2	566.1	1145.2	2,050	7,544.2	12,559
1982	2,674.7	3,976	452.5	782.8	540.0	784	2,587.2	3,974

Sources Columns I & II: 1876-1945 & 1951-1982 from Argue et al. (1985); 1946-1950 from INPFC Bull. 39, Table 62. Column III: Table 100. Column IV: Table 106. Column V: 1910-1966, Table 112; 1968-1982, Fletcher (1984). Column VI: Column V converted at av. ann.wt./fish in the Naas area from Argue et al. (1985). Column VII: Column I-Column III+Column V. Column VIII: Column II-Column IV+Column VI.

Table 124. Estimated production of odd-year pink salmon from the coastal rivers of British Columbia, 1877-1981.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
			Catch of B.C. Fish By:				Catch by B.C. of Fish Bound For:					
	Total British Columbia Catch		Washington		Alaska		Washington		Alaska		Net Production	
Year	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1877	4.3	12									4.3	12
1879	3.0	8									3.0	8
1881	6.2	17									6.2	17
1883	5.9	14									5.9	14
1885	4.4	12									4.4	12
1887	5.7	14									5.7	14
1889	4.7	13	35.1	87	64.5	117					104.3	218
1891	1.7	5	70.6	176							72.4	180
1893	7.2	19	219.3	546							226.4	565
1895	4.2	11	295.6	736							299.8	747
1897	6.6	17	716.3	1,784	64.5	117					787.4	1,918
1899	55.2	154	3,161.1	7,871	130.4	237					3,346.7	8,263
1901	460.5	1,097	413.4	1,029	193.1	351					1,067.0	2,478
1903	440.9	1,050	2,268.0	5,647	102.7	187					2,811.6	6,884
1905	422.8	1,061	888.0	2,211	124.3	226					1,435.0	3,498
1907	1,480.8	3,872	5,421.2	13,499	893.6	1,626					7,795.5	18,997
1909	1,007.1	2,457	4,640.3	11,554	805.1	1,465					6,452.5	15,477
1911	4,526.1	11,652	13,095.6	32,608	1,440.0	2,621	42.4	112	17.6	41	19,001.7	46,727
1913	2,887.6	6,877	14,301.0	35,610	1,879.5	3,421	27.9	74	30.8	73	19,009.5	45,761
1915	6,266.7	15,836	6,624.5	16,495	1,112.3	2,024	23.4	62	54.7	129	13,925.3	34,164
1917	7,980.2	19,771	11,997.4	29,874	1,718.7	3,128	54.3	144	70.7	167	21,571.3	52,462
1919	5,662.0	13,794	4,196.4	10,449	1,766.5	3,215	66.2	175	47.2	111	11,511.5	27,171
1921	3,432.4	8,308	3,305.5	8,231	283.2	515	9.7	26	46.8	110	6,964.7	16,918
1923	7,438.8	17,859	4,156.1	10,349	2,931.3	5,335	19.7	52	70.1	165	14,436.4	33,325
1925	7,508.8	18,412	5,005.7	12,464	2,608.5	4,748	39.6	105	53.5	126	15,029.9	35,392
1927	3,917.9	10,087	4,901.1	12,204	236.7	431	25.7	68	26.4	62	9,003.6	22,591
1929	7,460.9	18,671	5,582.0	13,899	1,170.0	2,129	32.5	86	16.4	39	14,164.1	34,575
1931	5,670.1	13,786	6,107.1	15,207	1,221.1	2,222	79.9	212	3.6	9	12,914.7	30,995
1933	8,700.8	21,301	4,535.9	11,294	1,372.0	2,497	69.6	184	91.2	215	14,448.0	34,693
1935	8,785.9	21,598	5,695.5	14,854	2,068.4	3,764	57.0	151	40.6	96	16,452.2	39,970
1937	9,855.8	23,981	3,993.4	10,414	1,889.0	3,438	21.6	57	14.9	35	15,701.7	37,741
1939	10,558.7	25,517	2,661.3	6,939	1,570.8	2,859	34.4	91	45.1	106	14,711.2	35,117
1941	7,563.3	18,623	1,439.7	3,755	3,331.5	6,063	8.3	22	35.4	84	12,290.9	28,336
1943	9,178.0	21,430	583.6	1,522	1,184.9	2,156	8.6	23	29.0	68	10,908.9	25,017
1945	12,763.7	30,057	4,670.3	12,181	1,466.5	2,669	21.1	56	55.4	131	18,824.0	44,720
1947	12,334.0	22,989	8,252.1	21,551	961.3	1,750	65.6	174	9.1	21	21,472.6	46,094
1949	10,854.0	25,307	5,276.3	13,920	3,058.3	5,566	312.8	829	54.6	129	18,821.2	43,836
1951	11,764.6	27,295	4,856.7	13,135	648.9	1,181	175.4	506	119.4	260	16,975.5	40,845
1953	11,213.0	28,003	4,097.9	10,589	579.1	1,054	694.5	1,810	24.6	62	15,171.0	37,773
1955	11,427.7	28,715	4,222.5	11,639	369.6	673	510.1	1,411	46.2	104	15,463.5	39,510
1957	11,309.8	26,082	2,558.6	6,378	1994.1	3,629	216.6	529	51.4	112	15,594.4	35,448
1959	6,772.0	15,884	2,308.3	5,469	477.1	868	364.4	863	29.7	68	9,163.3	21,291
1961	8,304.7	22,706	404.1	1,195	339.1	617	216.4	663	45.7	117	8,785.6	23,730
1963	12,200.1	20,474	1,635.3	3,703	1461.2	2,659	2649.4	617	20.4	42	12,626.8	26,177
1965	5,108.8	10,417	442.6	1,255	551.8	1,004	267.7	763	98.2	168	5,737.3	11,745
1967	9,841.2	23,553	4,102.0	9,891	240.0	437	654.0	1,566	65.0	156	13,464.2	32,159
1969	2,569.5	6,266	1,020.0	2,754	357.0	650	137.0	360	23.0	47	3,786.5	9,262
1971	8,711.7	17,615	2,329.8	5,422	511.8	931	432.7	983	28.6	51	11,092.0	22,934
1973	6,500.2	13,295	2,190.6	5,246	639.1	1,163	364.0	884	29.1	47	8,936.8	18,773
1975	4,629.8	10,234	1,272.1	3,400	81.7	149	147.6	400	12.4	20	5,823.6	13,362
1977	10,355.1	24,720	2,324.1	6,109	805.1	1,465	597.5	1,569	229.3	528	12,657.5	30,198
1979	11,804.2	24,659	4,102.6	9,192	736.1	1,340	689.0	1,509	21.1	42	15,932.8	33,639
1981	18,056.4	32,601	3,381.3	7,412	2,800.7	5,097	593.0	132	145.2	311	23,500.1	44,666

Sources Columns I & II: 1876-1945 & 1951-1982 from Argue et al. (1985); 1946-1950 from INPFC Bull. 39, Table 62. Columns III & IV: Table 166. Column V: Table 101. Column VI: Table 107. Column VII: 1911-1965, Table 116; 1967-1981, Fletcher (1984). Column VIII: Column VII converted at av. ann. wt./fish in Juan de Fuca Strait. from Argue et al. (1985). Column IX: 1911-1965, Table 113; 1967-1981, Fletcher (1984). Column X: Column IX converted at av. ann. wt./fish for the Naas area from Argue et al. (1985). Column XI: Column I+(Columns III+V)-(Columns VII+IX). Column XII: Column II+(Columns IV+VI)-(Columns VIII+X).

Table 125. Estimated production of chum salmon from the coastal rivers of British Columbia, 1876-1982.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
			Catch of B.C. Fish By:				Catch by B.C. of Fish Bound For:					
	Total British Columbia Catch		Washington		Alaska		Washington		Alaska		Net Production	
Year	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1876	0.3	2									0.3	2
1877	2.3	13									2.3	13
1878	3.4	19									3.4	19
1879	2.4	14									2.4	14
1880	4.5	26									4.5	26
1881	20.5	118									20.5	118
1882	4.5	26									4.5	26
1883	30.6	167									30.6	167
1884	129.1	674									129.1	674
1885	118.9	622									118.9	622
1886	9.6	56									9.6	56
1887	23.6	136									23.6	136
1888	26.4	151									26.4	151
1889	23.3	133	2.2	10							25.5	144
1890	19.9	115	7.5	37							27.5	152
1891	24.4	141	5.8	28							30.2	169
1892	32.9	188	30.5	148							63.4	336
1893	42.2	241	21.5	104							63.7	345
1894	23.8	134	41.8	203							65.6	337
1895	20.2	117	73.1	355							93.4	471
1896	14.4	83	50.1	243							64.5	325
1897	82.6	475	43.9	213							126.5	688
1898	412.7	2,377	72.4	351							485.1	2,728
1899	348.4	2,006	59.3	288							407.8	2,294
1900	1,344.3	7,756	168.0	815							1,512.2	8,570
1901	696.8	4,008	NA	NA							696.8	4,008
1902	1,098.9	6,198	176.2	855							1,275.2	7,053
1903	682.3	3,864	22.6	110							705.0	3,973
1904	1,574.2	8,860	93.6	454							1,667.8	9,314
1905	1,335.5	8,744	77.4	375							1,412.9	9,120
1906	1,464.1	8,108	281.3	1,364							1,745.3	9,472
1907	1,139.4	7,518	94.7	459	28.8	122.9					1,262.9	8,100
1908	965.0	5,216	88.6	430	9.0	38.2					1,062.6	5,684
1909	794.3	5,807	101.2	491	1.5	6.3					896.9	6,305
1910	1,955.9	10,661	277.9	1,343	28.2	120.6	14.2	73.4	1.1	6.4	2,245.9	12,046
1911	2,067.0	11,391	185.3	899	11.3	48.1	21.7	111.8	7.7	46.8	2,234.2	12,179
1912	2,120.2	11,695	114.5	556	93.9	400.9	10.5	53.9	5.3	31.9	2,312.9	12,566
1913	2,280.7	12,546	144.0	698	55.0	235.0	6.3	32.3	5.9	35.5	2,467.5	13,411
1914	2,924.6	16,381	401.3	1,946	89.8	383.4	24.3	125.2	28.9	174.6	3,362.6	18,411
1915	1,795.3	9,946	448.4	2,175	117.3	501.0	9.0	46.4	16.1	97.2	2,336.0	12,478
1916	2,927.0	15,970	448.4	2,175	123.3	526.4	7.2	37.0	15.4	93.4	3,476.2	18,541
1917	4,363.3	23,449	260.6	1,264	148.3	633.2	15.9	81.9	35.0	211.9	4,721.3	25,052
1918	4,563.7	24,492	275.3	1,335	112.5	480.3	29.0	149.7	56.1	339.2	4,866.3	25,818
1919	3,742.2	19,974	351.1	1,703	238.5	1,018.2	21.8	112.7	37.1	224.4	4,272.8	22,358
1920	1,348.1	7,562	162.6	788	215.5	920.0	10.3	53.3	17.6	106.2	1,698.3	9,111
1921	1,697.7	9,285	64.3	312	15.1	64.5	7.4	38.1	3.1	18.5	1,766.7	9,605
1922	3,573.6	19,284	119.5	580	143.8	614.0	8.2	42.5	16.2	98.0	3,812.5	20,337
1923	4,429.7	24,079	151.8	736	106.2	453.5	14.0	72.2	36.2	219.2	4,637.5	24,977
1924	6,111.9	33,295	204.7	993	159.6	681.5	14.4	74.1	40.1	242.6	6,421.7	34,652
1925	5,869.7	31,299	127.3	617	326.4	1,393.9	18.5	95.6	31.0	187.6	6,273.9	33,027
1926	7,047.5	36,910	253.2	1,228	155.7	665.0	19.4	100.1	23.4	141.4	7,413.6	38,561
1927	5,476.6	28,161	125.4	608	37.1	158.4	39.4	203.2	4.7	28.6	5,594.9	28,695
1928	8,763.0	46,381	248.5	1,205	121.7	519.7	14.8	76.4	5.4	32.4	9,113.0	47,997
1929	4,062.4	21,849	353.8	1,716	44.4	189.6	21.1	109.1	1.7	10.5	4,437.7	23,635
1930	4,691.6	24,570	240.7	1,167	41.6	177.5	13.9	71.9	4.9	29.4	4,955.1	25,814

Continued ...

Table 125. Continued

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
			Catch of B.C. Fish By:				Catch by B.C. of Fish Bound For:					
	Total British Columbia Catch		Washington		Alaska		Washington		Alaska		Net Production	
Year	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1931	4,118.4	22,085	162.4	708	71.0	306.7	9.5	48.8	0.4	2.3	4,342.8	23,128
1932	4,054.0	22,772	260.0	1,261	117.1	500.2	13.9	71.6	12.2	73.7	4,405.0	24,388
1933	3,321.5	17,047	120.0	582	70.9	302.9	12.7	65.4	3.9	23.7	3,495.8	18,642
1934	4,898.2	26,070	206.3	1,001	45.9	196.2	18.6	96.2	7.8	47.4	5,124.0	27,123
1935	4,685.0	24,924	170.4	773	125.4	535.6	21.6	111.3	24.9	150.4	4,934.4	25,970
1936	5,935.3	31,360	186.2	845	160.2	684.2	31.7	163.5	32.1	194.2	6,218.0	32,532
1937	4,784.1	25,373	183.6	833	130.8	558.6	28.3	146.3	17.1	103.7	5,053.0	26,514
1938	5,016.3	26,893	190.1	862	121.0	516.9	24.2	124.7	21.3	128.9	5,282.0	28,019
1939	2,821.1	15,086	78.5	356	79.3	338.5	18.9	97.5	3.5	21.2	2,956.5	15,661
1940	5,373.3	27,637	134.0	670	94.2	402.4	49.3	254.4	8.0	48.2	5,544.3	28,407
1941	5,400.8	28,661	159.4	724	68.5	292.4	56.3	290.4	8.1	48.9	5,564.3	29,338
1942	4,524.5	23,965	152.6	692	135.7	579.5	30.3	156.3	17.1	103.3	4,765.5	24,977
1943	2,655.6	14,451	93.9	426	134.9	575.9	19.6	101.3	12.8	77.5	2,852.0	15,274
1944	2,630.7	13,586	76.2	346	131.1	559.7	17.1	88.2	14.9	90.3	2,806.1	14,313
1945	2,783.5	15,397	99.8	452	76.5	326.8	31.5	162.8	6.9	41.8	2,921.4	15,972
1946	5,000.3	27,446	296.4	1,345	103.3	440.9	31.2	161.1	22.1	133.9	5,346.7	28,936
1947	5,749.4	26,548	141.0	621	91.2	389.6	57.5	296.9	14.7	88.7	5,909.5	27,173
1948	5,137.9	27,329	223.0	977	133.1	568.2	47.5	244.9	11.3	68.2	5,435.2	28,561
1949	3,035.0	16,287	104.3	463	84.0	358.7	31.3	161.4	10.6	64.2	3,181.4	16,883
1950	7,273.0	35,953	257.5	1,362	143.6	613.3	66.4	342.4	20.7	125.5	7,587.0	37,460
1951	6,460.3	29,749	194.7	1,045	54.9	234.5	56.1	317.9	62.0	322.6	6,591.7	30,388
1952	2,645.1	14,453	222.0	1,309	58.3	248.8	21.3	83.1	22.2	146.0	2,881.9	15,782
1953	4,885.7	24,688	73.2	390	49.5	211.5	50.3	237.8	38.8	239.5	4,919.3	24,812
1954	6,235.5	33,749	82.0	456	26.2	112.1	61.7	364.1	19.8	123.2	6,262.3	33,830
1955	1,632.8	8,247	72.6	399	10.4	44.4	18.7	96.2	15.2	77.6	1,682.0	8,517
1956	2,458.3	12,342	27.9	147	38.8	165.5	16.4	85.3	80.4	431.8	2,428.1	12,137
1957	2,412.1	12,357	10.6	55	37.6	160.6	10.9	54.3	50.8	275.1	2,398.6	12,243
1958	3,191.8	17,286	83.5	409	31.8	135.9	32.1	148.0	39.9	236.3	3,235.1	17,446
1959	2,015.3	10,483	84.0	457	29.1	124.4	30.5	148.3	37.9	233.9	2,060.1	10,682
1960	1,836.8	9,215	32.1	144	45.0	192.3	19.2	84.6	41.3	239.1	1,853.4	9,228
1961	1,217.5	6,627	23.7	123	26.8	114.3	10.0	50.1	23.6	131.7	1,234.4	6,682
1962	1,496.0	8,189	15.1	76	23.1	98.4	6.7	32.7	8.3	45.5	1,519.1	8,285
1963	1,463.2	6,997	22.0	95	31.1	132.9	12.6	61.7	7.1	37.0	1,496.6	7,127
1964	2,252.8	10,755	20.4	100	55.2	235.9	11.2	55.3	21.8	118.9	2,295.4	10,917
1965	633.1	3,019	8.9	38	14.7	62.9	5.4	24.3	9.4	45.0	641.9	3,050
1966	1,310.7	6,968	13.9	63	30.0	128.1	6.8	32.1	17.0	89.3	1,330.9	7,037
1967	1,130.0	5,517	13.0	58	13.0	55.5	8.0	35.6	29.0	154.2	1,119.0	5,441
1968	3,095.0	16,652	115.0	600	49.0	209.2	25.0	127.7	64.0	373.3	3,170.0	16,961
1969	1,310.5	6,077	48.0	234	7.0	29.9	18.0	85.8	16.0	91.8	1,331.5	6,163
1970	3,680.1	16,771	73.0	351	14.0	59.8	28.0	125.7	51.0	231.5	3,688.1	16,825
1971	1,262.9	5,420	25.7	107	18.1	77.3	7.7	31.2	19.8	97.7	1,279.2	5,475
1972	6,031.4	29,933	318.8	1,507	57.1	243.8	81.3	389.6	90.9	461.2	6,235.1	30,833
1973	6,214.5	32,604	248.0	1,248	31.0	132.4	103.7	536.7	58.5	325.9	6,331.3	33,121
1974	2,201.8	12,476	183.8	932	31.4	134.1	23.3	115.3	53.1	302.8	2,340.6	13,125
1975	1,147.2	4,391	86.0	405	6.4	27.3	19.5	91.4	9.0	46.2	1,211.1	4,686
1976	1,901.1	10,925	250.6	1,247	13.2	56.4	117.0	601.4	7.3	37.3	2,040.6	11,589
1977	1,088.2	6,029	54.9	264	24.9	106.3	23.6	117.7	75.1	434.9	1,069.3	5,847
1978	2,978.3	15,847	378.4	1,880	36.8	157.1	160.1	792.2	44.3	241.5	3,189.1	16,851
1979	850.7	4,676	5.6	26	31.7	135.4	13.1	61.6	20.8	116.8	854.1	4,659
1980	3,414.3	16,966	334.6	1,563	68.0	290.4	96.3	44.1	85.7	466.1	3,634.9	18,290
1981	1,116.1	6,119	10.8	54	23.2	99.1	23.0	116.9	24.0	139.2	1,103.1	6,016
1982	2,966.6	15,086	334.6	1,622	20.1	85.8	164.6	765.0	54.9	291.8	3,101.9	15,738

Sources Columns I & II: 1876-1945 & 1951-1982 from Argue et al. (1985); 1946-1950 from INPFC Bull. 39, Table 62. Columns III & IV: Table 167. Column V: Table 102. Column VI: Table 108. Column VII: 1910-1966, Table 117; 1967-1981, Fletcher (1984). Column VIII: Column VII converted at av. ann. wt./fish in Juan de Fuca Strait. from Argue et al. (1985). Column IX: 1911-1965, Table 114; 1967-1981, Fletcher (1984). Column X: Column IX converted at av. ann. wt./fish for the Naas area from Argue et al. (1985). Column XI: Column I+(Columns III+V)-(Columns VII+IX). Column XII: Column II+(Columns IV+VI)-(Columns VIII+X).

Table 126. Estimated production of coho salmon from the coastal rivers of British Columbia, 1876-1982.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
			Catch of B.C. Fish By:				Catch by B.C. of Fish Bound For:					
	Total British Columbia Catch		Washington		Alaska		Washington		Alaska		Net Production	
Year	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1876	3.7	13									3.7	13
1877	29.4	106									29.4	106
1878	94.4	340									94.4	340
1879	29.6	116									29.6	116
1880	217.6	788									217.6	788
1881	220.2	802									220.2	802
1882	317.7	1,159									317.7	1,159
1883	329.3	1,174									329.3	1,174
1884	720.4	2,246									720.4	2,246
1885	534.8	1,569									534.8	1,569
1886	726.8	2,612									726.8	2,612
1887	305.8	1,124									305.8	1,124
1888	664.3	2,373			5.7	21					670.0	2,394
1889	281.1	1,033	27.4	101	3.9	14					312.5	1,148
1890	449.1	1,660	11.0	40	5.8	21					465.9	1,722
1891	736.0	2,667	21.5	79	3.2	11					760.7	2,757
1892	592.9	2,133	26.4	97	2.6	10					622.0	2,240
1893	479.0	1,712	43.3	159	0.2	1					522.6	1,872
1894	326.0	1,162	82.3	302	1.4	5					409.6	1,469
1895	663.5	2,430	186.7	685	3.7	14					853.9	3,129
1896	557.8	2,064	303.3	1,113	14.0	51					875.1	3,228
1897	404.4	1,494	337.2	1,238	15.4	56					757.0	2,788
1898	632.0	2,293	361.8	1,328	22.7	82					1,016.5	3,704
1899	520.4	1,918	408.8	1,500	29.9	108					959.0	3,527
1900	465.2	1,733	470.5	1,727	18.7	68					954.4	3,527
1901	523.6	1,911	NA	NA	27.9	101					551.5	2,013
1902	691.5	2,545	314.9	1,156	9.1	33					1,015.6	3,734
1903	713.4	2,649	379.6	1,393	27.9	101					1,120.9	4,143
1904	928.4	3,422	433.5	1,591	38.3	139					1,400.1	5,151
1905	1,071.5	3,898	291.1	1,068	31.4	114					1,394.0	5,081
1906	1,115.1	4,172	346.8	1,272	24.8	90					1,486.6	5,535
1907	1,231.2	4,623	438.4	1,609	30.6	111					1,700.2	6,343
1908	1,097.5	4,155	473.1	1,736	29.3	106					1,599.9	5,998
1909	1,030.4	3,891	525.3	1,928	15.1	55					1,570.8	5,874
1910	1,421.1	5,198	597.3	2,192	21.1	77	110.9	405.6	3.2	12	1,925.3	7,050
1911	2,035.1	7,485	939.9	3,449	53.6	195	83.6	307.5	3.9	14	2,941.1	10,808
1912	2,261.8	8,661	549.5	2,017	80.7	293	90.5	346.6	6.6	25	2,794.9	10,598
1913	1,802.7	6,718	490.0	1,798	33.8	123	89.7	334.1	4.5	17	2,232.5	8,208
1914	2,818.1	10,339	599.7	2,201	38.3	139	511.3	1,875.9	5.9	21	2,938.9	10,781
1915	3,534.9	12,242	443.6	1,628	49.1	178	123.9	429.2	8.4	29	3,895.2	13,590
1916	2,958.1	11,066	443.6	1,628	101.4	368	93.3	349.1	9.0	34	3,400.8	12,679
1917	2,749.6	10,411	374.5	1,374	130.2	473	83.8	317.4	10.6	40	3,159.8	11,901
1918	3,293.1	12,321	655.0	2,404	141.9	515	109.6	410.2	8.1	30	3,972.3	14,800
1919	4,594.0	16,772	545.3	2,001	149.3	542	189.4	691.3	5.3	19	5,093.9	18,604
1920	2,413.2	8,999	227.8	836	53.0	193	175.6	654.8	14.0	52	2,504.5	9,321
1921	2,325.1	8,924	304.9	1,119	34.4	125	190.3	730.3	14.4	55	2,459.7	9,382
1922	2,265.0	8,415	356.9	1,310	106.1	385	206.1	765.7	12.5	46	2,509.5	9,298
1923	2,337.1	8,919	355.0	1,303	128.5	466	178.2	680.1	13.4	51	2,629.0	9,957
1924	2,820.8	10,603	378.7	1,390	86.5	314	181.4	681.9	10.1	38	3,094.4	11,587
1925	3,079.2	11,739	347.6	1,276	111.5	405	274.7	1,047.2	19.4	74	3,244.2	12,298
1926	2,843.4	10,840	332.4	1,220	113.4	412	273.1	1,041.2	25.1	96	2,991.0	11,335
1927	2,874.5	10,780	473.8	1,739	93.9	341	233.1	874.3	26.3	98	3,182.7	11,887
1928	3,231.2	12,151	356.9	1,310	186.5	685	219.2	824.5	24.8	93	3,530.6	13,228
1929	3,236.9	12,111	374.0	1,373	122.8	456	281.2	1,052.3	23.5	88	3,429.0	12,799
1930	3,216.9	12,169	284.5	1,044	186.1	697	386.3	1,461.4	45.0	170	3,256.1	12,279

Continued ...

Table 126. Continued

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
			Catch of B.C. Fish By:				Catch by B.C. of Fish Bound For:					
	Total British Columbia Catch		Washington		Alaska		Washington		Alaska		Net Production	
Year	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1931	1,899.8	7,209	245.5	901	146.8	420	244.4	927.3	24.3	92	2,023.4	7,510
1932	2,207.7	8,480	224.8	825	138.8	529	383.7	1,473.7	53.8	207	2,133.8	8,153
1933	2,380.0	9,114	241.1	885	126.3	485	266.3	1,019.7	41.5	159	2,439.6	9,306
1934	2,699.3	10,592	220.8	810	208.6	807	823.8	3,232.3	118.1	464	2,186.8	8,513
1935	3,749.5	14,381	497.0	1,903	193.6	754	506.2	1,941.4	75.0	288	3,859.0	14,808
1936	3,118.6	12,227	253.5	925	204.1	800	692.3	2,714.1	99.6	390	2,784.3	10,847
1937	2,325.4	8,865	289.8	1,079	163.4	644	304.9	1,162.5	46.3	177	2,427.3	9,249
1938	3,384.8	13,297	190.9	803	264.2	1,047	381.0	1,496.5	59.5	234	3,399.5	13,416
1939	2,899.0	11,165	297.6	1,217	138.6	552	373.9	1,440.1	47.1	181	2,914.2	11,312
1940	3,112.8	12,115	236.3	948	233.2	933	351.9	1,369.6	50.7	197	3,179.7	12,429
1941	4,382.2	16,636	309.7	1,135	327.6	1,317	470.2	1,785.1	60.1	228	4,489.2	17,074
1942	2,785.9	10,937	132.3	507	295.5	1,193	476.6	1,871.1	65.7	258	2,671.3	10,507
1943	2,430.8	9,369	230.0	816	230.2	933	582.0	2,243.2	77.0	297	2,232.0	8,578
1944	2,686.7	10,600	164.6	728	183.4	746	229.1	903.9	31.3	123	2,774.3	11,047
1945	3,920.5	15,102	256.6	1,067	372.0	1,519	484.7	1,867.0	65.7	253	3,998.7	15,568
1946	2,693.9	10,358	127.0	531	348.2	1,427	272.6	1,048.1	39.7	153	2,856.9	11,115
1947	2,696.4	8,839	317.3	1,260	232.7	957	562.3	1,843.3	61.9	203	2,622.1	9,010
1948	2,697.6	10,103	270.5	1,085	330.2	1,362	374.4	1,402.2	51.3	192	2,872.7	10,956
1949	2,888.0	9,503	320.3	1,205	358.5	1,483	594.9	1,957.7	63.5	209	2,908.3	10,025
1950	2,666.0	9,404	361.5	1,641	265.3	1,101	511.9	1,805.7	63.8	225	2,717.1	10,115
1951	4,324.9	15,977	295.3	1,329	578.6	2,357	718.1	2,652.8	105.8	391	4,375.0	16,619
1952	2,964.3	10,056	444.2	1,859	305.2	1,226	635.4	2,155.5	61.1	207	3,017.1	10,777
1953	2,940.7	10,402	286.0	1,020	143.7	659	710.4	2,512.8	57.7	204	2,602.2	9,364
1954	2,554.3	9,369	154.5	578	322.6	1,332	443.3	1,625.8	65.2	239	2,523.0	9,413
1955	3,036.8	10,675	240.5	950	123.6	582	552.2	1,941.1	97.4	343	2,751.3	9,923
1956	3,049.7	11,408	333.7	1,233	81.4	398	465.1	1,739.9	66.5	249	2,933.2	11,050
1957	3,132.3	10,318	233.1	695	174.5	822	717.1	2,362.4	83.2	274	2,739.6	9,200
1958	2,976.9	11,158	233.8	889	122.8	556	675.8	2,532.9	47.2	177	2,610.5	9,892
1959	2,882.2	8,834	232.3	678	108.7	411	812.4	2,489.8	42.6	131	2,368.3	7,302
1960	2,026.3	6,447	70.6	264	96.4	365	312.8	995.3	43.0	137	1,837.5	5,943
1961	3,292.8	11,199	232.5	875	118.0	413	928.0	3,156.1	52.4	178	2,663.0	9,152
1962	3,622.2	12,058	273.0	1,070	162.7	752	878.3	2,923.8	87.4	291	3,092.2	10,665
1963	3,416.8	11,543	234.3	710	165.5	627	840.5	2,839.5	81.5	275	2,894.5	9,765
1964	4,143.5	14,353	309.7	1,135	214.1	907	900.4	3,119.1	103.4	358	3,663.4	12,918
1965	4,441.7	16,633	318.7	1,196	155.8	749	1,261.4	4,723.3	68.5	257	3,586.4	13,598
1966	5,404.9	17,524	430.7	1,437	155.6	625	1,255.8	4,071.8	111.9	363	4,623.6	15,151
1967	3,313.0	10,244	342.0	1,081	70.0	254	1061.0	3,280.6	53.0	164	2,611.0	8,135
1968	5,252.6	15,357	386.0	1,192	174.0	632	1466.0	4,286.2	112.0	327	4,234.6	12,567
1969	2,403.7	7,965	314.0	1,155	50.0	182	843.0	2,793.4	59.0	196	1,865.7	6,313
1970	3,925.3	13,601	448.0	2,021	72.0	261	1239.0	4,293.2	72.0	249	3,134.3	11,341
1971	4,733.8	13,920	379.6	1,228	106.8	388	1760.7	5,177.5	65.5	193	3,394.0	10,166
1972	3,341.9	10,463	278.9	1,063	232.8	845	792.0	2,479.5	94.8	297	2,966.8	9,594
1973	3,515.7	11,172	440.4	1,731	124.1	450	1262.4	4,011.7	49.4	157	2,768.4	9,185
1974	3,684.0	10,289	556.5	1,974	218.1	792	1360.7	3,800.5	52.5	147	3,045.4	9,108
1975	2,329.4	7,733	470.1	1,868	66.8	242	793.2	2,633.2	35.8	119	2,037.3	7,092
1976	3,691.0	9,303	741.7	2,066	130.9	475	908.0	2,288.5	52.9	133	3,602.7	9,422
1977	3,313.7	9,766	536.8	1,773	124.2	451	900.5	2,653.9	30.9	91	3,043.3	9,245
1978	3,347.2	9,144	447.3	1,395	334.1	1,213	617.6	1,687.2	84.0	229	3,427.0	9,835
1979	3,626.1	10,261	340.6	1,052	302.3	1,097	889.2	2,516.2	73.2	207	3,306.6	9,687
1980	3,409.4	9,155	500.9	1,669	260.6	946	762.0	2,046.2	90.2	242	3,318.7	9,482
1981	2,810.0	7,478	227.1	593	362.9	1,317	961.6	2,558.9	58.1	155	2,380.3	6,674
1982	3,154.4	9,211	364.0	1,123	394.1	1,431	861.8	2,516.6	74.2	217	2,976.6	9,032

Sources Columns I & II: 1876-1945 & 1951-1982 from Argue et al. (1985); 1946-1950 from INPFC Bull. 39, Table 62. Columns III & IV: Table 168. Column V: Table 103. Column VI: Table 109. Column VII: 1910-1966, Table 120; 1967-1982, Fletcher (1984). Column VIII: Column VII converted at av. ann. wt./fish for all B.C. coho from Argue et al. (1985). Column IX: 1910-1966, Table 115; 1967-1982, Fletcher (1984). Column X: Column IX converted at av. ann. wt./fish for all B.C. coho from Argue et al. (1985). Column XI: Column I+(Columns III+V)-(Columns VII+IX). Column XII: Column II+(Columns IV+VI)-(Columns VIII+X).

Table 127. Estimated production of chinook salmon from the coastal rivers of British Columbia, 1876-1982.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
	Total British Columbia Catch		Catch of B.C. Fish By:				Catch by B.C. of Fish Bound For:				Net Production	
			Washington		Alaska		Washington		Alaska			
Year	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1876	0.9	7									0.9	7
1877	9.1	69									9.1	69
1878	18.4	139									18.4	139
1879	14.6	109									14.6	109
1880	31.4	237									31.4	237
1881	70.8	527									70.8	527
1882	56.9	422									56.9	422
1883	107.2	729									107.2	729
1884	265.6	1,543									265.6	1,543
1885	196.6	1,082									196.6	1,082
1886	80.9	597									80.9	597
1887	108.2	784									108.2	784
1888	142.5	1,017									142.5	1,017
1889	117.4	859	0.2	2.0							117.7	861
1890	151.6	1,107	1.0	8.3							152.6	1,116
1891	137.7	1,014	0.4	3.2							138.1	1,018
1892	173.0	1,243	0.1	0.7							173.1	1,243
1893	155.5	1,114	1.2	10.0	1.5	11					158.2	1,135
1894	119.5	848	0.0	0.0	1.5	11					121.0	859
1895	134.4	988	1.6	12.9	0.8	6					136.8	1,007
1896	147.1	1,077	13.9	112.5	2.0	15					163.1	1,204
1897	134.3	972	9.8	79.2	2.6	20					146.8	1,071
1898	144.2	1,021	11.6	93.3	4.2	32					160.0	1,147
1899	180.5	1,297	25.2	203.1	6.1	46					211.8	1,546
1900	195.1	1,413	23.1	186.3	1.5	11					219.7	1,611
1901	202.9	1,465	12.4	100.0	2.5	19					217.7	1,584
1902	155.3	1,125	39.8	321.3	1.6	12					196.7	1,458
1903	194.9	1,412	32.0	258.2	9.0	68					235.9	1,738
1904	233.5	1,715	40.7	328.7	9.7	73					283.9	2,116
1905	266.6	1,967	63.8	515.1	18.1	136					348.5	2,618
1906	358.3	2,659	8.4	67.8	17.3	130					384.0	2,857
1907	325.8	2,392	44.4	358.5	22.3	168					392.5	2,918
1908	325.8	2,376	98.3	793.5	36.8	277					461.0	3,447
1909	344.0	2,545	57.0	460.1	46.6	351					447.6	3,356
1910	541.8	3,967	60.7	489.6	76.2	574	76.4	560			602.2	4,470
1911	611.0	4,501	79.2	639.4	52.9	398	6.3	46			736.8	5,493
1912	1,202.8	8,887	83.2	671.0	186.8	1,407	40.2	297			1,432.5	10,667
1913	864.3	6,267	74.3	599.2	154.5	1,163	52.0	377			1,041.0	7,652
1914	985.0	7,131	109.1	880.0	150.8	1,135	102.7	744			1,142.1	8,403
1915	952.5	6,332	77.1	622.2	124.7	939	37.3	248			1,117.1	7,645
1916	773.3	5,614	77.1	622.2	116.1	874	28.1	204			938.5	6,906
1917	781.6	5,615	112.9	910.8	135.2	1,018	18.2	131			1,011.6	7,414
1918	1,026.2	7,368	122.2	986.0	173.6	1,307	21.7	156			1,300.3	9,505
1919	1,279.0	9,048	88.9	717.4	268.9	2,024	43.5	308			1,593.3	11,482
1920	1,097.6	7,774	69.6	561.8	140.5	1,058	149.5	1,059			1,158.2	8,334
1921	662.1	4,776	68.9	555.7	204.8	1,542	86.5	624			849.3	6,250
1922	911.9	6,621	53.3	430.5	153.7	1,157	97.8	710			1,021.1	7,499
1923	622.7	4,487	57.5	464.1	320.6	2,414	27.3	197			973.6	7,169
1924	622.7	4,524	62.9	507.4	384.2	2,893	39.9	290			1,029.9	7,635
1925	1,041.7	7,676	72.8	587.7	265.3	1,998	114.9	846			1,265.0	9,415
1926	816.6	5,928	64.8	522.9	195.0	1,469	99.1	719			977.4	7,200
1927	880.3	6,350	83.9	677.0	275.1	2,071	209.1	1,508			1,030.2	7,590
1928	768.7	5,508	71.5	577.2	164.2	1,237	144.1	1,033			860.3	6,289
1929	663.7	4,807	88.7	715.8	194.5	1,465	118.1	855			828.8	6,132
1930	1,082.5	7,867	82.0	661.4	260.5	1,961	117.0	851			1,307.9	9,640

Continued ...

Table 127. Continued

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII
			Catch of B.C. Fish By:				Catch by B.C. of Fish Bound For:					
	Total British Columbia Catch		Washington		Alaska		Washington		Alaska		Net Production	
Year	1000 fish	tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1931	766.8	5,491	63.8	515.1	196.5	1,480	198.8	1,424			828.3	6,063
1932	891.1	6,482	53.3	429.9	267.6	2,015	128.3	933			1,083.7	7,994
1933	773.1	5,650	58.8	474.5	182.4	1,374	96.1	703			918.1	6,796
1934	936.3	6,832	59.4	479.5	144.8	1,090	844.8	6,164			295.7	2,237
1935	922.8	6,588	31.9	300.7	273.9	2,063	657.3	4,692			571.4	4,259
1936	962.2	6,795	34.5	314.2	290.8	2,190	467.4	3,301			820.2	5,999
1937	872.1	6,254	37.5	328.2	375.5	2,828	309.3	2,218			975.9	7,192
1938	769.3	5,440	22.5	209.2	323.3	2,434	98.5	696			1,016.6	7,387
1939	753.4	5,442	23.7	226.2	278.4	2,097	86.0	621			969.6	7,143
1940	584.3	4,136	32.2	297.5	182.9	1,377	89.1	631			710.4	5,180
1941	963.9	6,673	33.3	299.3	219.0	1,971	203.9	1,412			1,012.3	7,531
1942	695.5	5,023	26.2	208.7	238.4	1,795	145.3	1,049			814.8	5,978
1943	560.5	3,936	28.1	239.9	170.3	1,282	292.5	2,054			466.4	3,404
1944	632.0	4,593	25.7	231.8	140.2	1,056	104.2	757			693.7	5,123
1945	719.8	5,151	32.6	295.9	187.1	1,409	150.8	1,079			788.7	5,777
1946	899.4	6,475	31.0	259.8	242.7	1,828	292.7	2,107			880.5	6,456
1947	874.3	5,219	24.8	202.8	211.8	1,595	396.3	2,366			714.7	4,651
1948	513.9	6,127	23.0	187.0	205.0	1,544	223.1	2,660			518.8	5,198
1949	1,046.0	6,574	26.0	217.6	205.0	1,544	283.0	1,779			994.1	6,557
1950	971.0	6,108	23.2	182.4	161.7	1,218	283.0	1,780			872.9	5,728
1951	726.2	5,889	28.1	252.9	200.8	1,512	342.2	2,775			613.0	4,880
1952	806.7	6,528	33.1	283.7	213.0	1,604	393.2	3,182			659.6	5,234
1953	887.7	7,095	33.8	262.4	206.4	1,554	445.7	3,562			682.2	5,349
1954	781.6	6,112	31.6	247.1	159.3	1,199	366.2	2,864			606.2	4,694
1955	718.1	5,680	31.6	242.9	142.8	1,075	394.4	3,119			498.1	3,878
1956	749.1	6,212	25.6	190.5	94.2	710	485.8	4,028			383.2	3,084
1957	720.8	5,736	28.0	189.5	116.7	879	452.1	3,598			413.4	3,207
1958	813.0	6,441	24.5	158.4	133.5	1,006	410.8	3,255			560.2	4,350
1959	770.0	6,120	22.9	161.4	147.1	1,108	367.6	2,921			572.4	4,468
1960	593.2	4,678	31.2	252.3	130.8	966	278.7	2,198			476.4	3,699
1961	512.7	4,123	34.2	265.8	98.1	579	273.7	2,201			371.3	2,766
1962	518.1	4,110	26.2	200.0	81.2	670	276.1	2,190			349.3	2,790
1963	800.6	4,608	42.5	309.9	119.8	930	304.6	1,753			658.2	4,094
1964	965.1	6,063	34.1	270.3	161.8	1,351	381.4	2,396			779.6	5,289
1965	980.7	5,743	31.7	272.3	120.6	1,034	429.8	2,517			703.2	4,532
1966	1,163.9	6,947	45.2	360.6	129.1	889	547.0	3,264			791.2	4,932
1967	1,130.8	6,968	88.0	678.5	124.0	849	480.0	2,957			862.8	5,538
1968	1,082.6	6,943	89.0	707.8	136.0	1,000	503.0	3,226			804.6	5,425
1969	1,098.1	6,483	84.0	666.8	125.0	765	545.0	3,218			762.1	4,698
1970	1,211.3	6,587	63.0	514.0	130.0	844	526.0	2,860			878.3	5,084
1971	1,589.4	8,673	87.5	661.7	130.1	803	749.3	4,089			1,057.7	6,049
1972	1,544.6	8,313	59.4	468.7	115.8	637	706.6	3,803			1,013.2	5,615
1973	1,418.2	7,531	61.1	485.3	129.1	808	699.8	3,716			908.6	5,108
1974	1,464.9	7,627	62.1	491.5	142.0	858	732.4	3,813			936.6	5,163
1975	1,407.1	7,255	93.8	700.5	125.6	752	652.9	3,366			973.6	5,341
1976	1,539.2	7,750	73.7	510.2	100.5	585	786.1	3,958			927.3	4,887
1977	1,487.8	7,476	95.0	641.1	114.2	778	684.5	3,440			1,012.5	5,456
1978	1,366.6	7,877	95.0	626.9	154.6	1,053	629.5	3,628			986.7	5,928
1979	1,325.6	6,811	60.7	372.8	146.1	995	567.3	2,915			965.1	5,264
1980	1,266.9	6,660	75.4	468.1	131.1	893	553.6	2,910			919.8	5,111
1981	1,132.1	5,902	59.8	371.1	109.3	745	466.9	2,434			834.3	4,584
1982	1,232.4	7,074	67.6	421.0	112.9	769	557.6	3,201			855.3	5,063

Sources Columns I & II: 1876-1945 & 1951-1982 from Argue et al. (1985); 1946-1950 from INPFC Bull. 39, Table 62. Columns III & IV: Table 169. Column V: Table 104. Column VI: Table 110. Column VII: 1910-1966, Table 121; 1967-1981, Fletcher (1984). Column VIII: Column VII converted at av. ann. wt./fish of all B.C. chinook from Argue et al. (1985). Columns IX & X: Interceptions negligible. Column XI: Column I+(Columns III+V)-(Columns VII+IX). Column XII: Column II+(Columns IV+VI)-(Columns VIII+X).

Table 128. Landings of sockeye salmon in Oregon and Washington, 1922-1982.

	I	II	IV	V	VI	VIII
	Numbers of Fish			Tonnes		
Year	Washington	Oregon	Total	Washington	Oregon	Total
1922			1,072,764			4,097
1923			1,192,027			4,218
1924			906,027			4,959
1925			1,477,727			8,600
1926			865,100			3,550
1927			1,194,818			6,767
1928			718,027			4,012
1929			1,517,251			8,486
1930			3,723,300			22,025
1931			1,050,600			6,106
1932			904,218			5,316
1933			1,849,936			10,779
1934			3,714,991			22,212
1935	717,280	11,875	729,155	2,117	19	2,136
1936	527,848	80,625	608,473	1,465	129	1,594
1937	1,001,307	70,000	1,071,307	2,991	112	3,103
1938	1,566,491	85,100	1,651,591	4,741	133	4,874
1939	592,374	60,100	652,474	1,805	92	1,897
1940	990,423	76,000	1,066,423	2,550	116	2,666
1941	2,149,404	102,500	2,251,904	5,646	163	5,809
1942	3,104,982	40,700	3,145,682	9,568	63	9,631
1943	289,778	25,600	315,378	835	53	888
1944	383,518	13,600	397,118	1,059	21	1,080
1945	791,023	1,800	792,823	2,209	3	2,212
1946	3,628,168	30,400	3,658,568	9,976	52	10,028
1947	288,993	165,700	454,693	619	264	883
1948	1,180,215	21,000	1,201,215	2,949	30	2,979
1949	1,317,985	4,100	1,322,085	3,254	6	3,260
1950	1,358,593	36,800	1,395,393	4,035	57	4,092
1951	1,219,688	32,000	1,251,688	3,697	54	3,751
1952	1,181,680	127,800	1,309,480	3,687	214	3,901
1953	2,068,248	21,900	2,090,148	5,675	36	5,711
1954	4,941,083	45,100	4,986,183	15,924	74	15,998
1955	1,118,141	17,600	1,135,741	2,949	26	2,975
1956	1,067,756	45,700	1,113,456	2,929	72	3,001
1957	1,753,910	51,300	1,805,210	4,046	86	4,132
1958	5,343,556	144,300	5,487,856	14,783	242	15,025
1959	1,889,789	139,100	2,028,889	4,503	214	4,717
1960	1,264,446	88,900	1,353,346	3,116	132	3,248
1961	1,427,521	26,800	1,454,321	3,769	48	3,817
1962	780,934	9,300	790,234	2,299	15	2,314
1963	1,413,731	8,100	1,421,831	3,601	14	3,615
1964	541,301	15,100	556,401	1,404	23	1,427
1965	1,048,219	2,600	1,050,819	2,725	5	2,730
1966	1,401,577	1,700	1,403,277	4,190	3	4,193
1967	2,160,371	33,000	2,193,371	5,613	53	5,666
1968	988,219	17,300	1,005,519	2,492	28	2,520
1969	1,668,473	18,700	1,687,173	4,372	32	4,404
1970	1,374,301	12,300	1,386,601	3,953	18	3,971
1971	3,128,991	43,600	3,172,591	8,375	74	8,449
1972	1,226,709	43,200	1,269,909	3,183	70	3,253
1973	2,678,307	2,500	2,680,807	7,008	5	7,013
1974	2,512,273	<500	2,512,273	7,499	<0.5	7,499
1975	1,692,576	-	1,692,576	4,334	-	4,334
1976	1,334,149	-	1,334,149	3,615	-	3,615
1977	1,872,116	<500	1,872,116	5,150	<0.5	5,150
1978	1,395,887	<500	1,395,887	4,120	<0.5	4,120
1979	1,806,307	<500	1,806,307	4,844	<0.5	4,844
1980	556,397	-	556,397	1,365	-	1,365
1981	1,327,000	-	1,327,000	3,419	-	3,419
1982	2,883,800	100	2,883,900	8,367	<0.5	8,367

Sources 1922-1934: Sum of IPSFC estimates for Puget Sound (Table 148) and Davidson's estimates for the Columbia (Table 150); 1934-1982 from INPFC Bull. 39, INPFC Stat. Yearbooks for 1977-1980 and INPFC Unpub. data for 1981 & 1982.
Oregon numbers for 1934-1938 converted from weights (See factors in Table 134).

Table 129. Landings of pink salmon in Oregon, Washington and California, 1922-1982.

	I	II	III	IV	V	VI	VII	VIII
	Numbers of Fish				Tonnes			
Year	Washington	Oregon	California	Total	Washington	Oregon	California	Total
1922	32,315			32,315	66			66
1923	5,534,086			5,534,086	15,013	23		15,036
1924	100,046			100,046	226			226
1925	6,665,345			6,665,345	16,016			16,016
1926	24,489			24,489	58			58
1927	6,526,034			6,526,034	18,776			18,776
1928	9,481			9,481	572			572
1929	7,432,302			7,432,302	13,338			13,338
1930	17,393			17,393	123			123
1931	8,131,922			8,131,922	25,372			25,372
1932	8,839			8,839	31			31
1933	6,039,870			6,039,870	17,506	2		17,508
1934	13,090			13,090	86			86
1935	5,824,689			5,824,689	15,192			15,192
1936	24,681			24,681	64			64
1937	5,086,288			5,086,288	13,266	<1		13,266
1938	7,893			7,893	21			21
1939	4,067,180			4,067,180	10,607			10,607
1940	25,937			25,937	68			68
1941	2,021,027			2,021,027	5,271			5,271
1942	1,903			1,903	37			37
1943	972,944			972,944	2,538			2,538
1944	4,287			4,287	11			11
1945	5,895,111			5,895,111	15,375			15,375
1946	222			222	1			1
1947	9,372,326			9,372,326	24,476			24,476
1948	304			304	1			1
1949	7,604,529			7,604,529	20,062			20,062
1950	10,042			10,042	21			21
1951	5,699,618			5,699,618	15,412			15,412
1952	1,914			1,914	5			5
1953	6,045,451	1,000		6,046,451	15,644			15,644
1954	294			294	1			1
1955	5,207,548	1,600		5,209,148	14,368		7	14,375
1956	928			928	2			2
1957	3,183,773			3,183,773	7,924	45		7,969
1958	5,116			5,116	10			10
1959	2,616,384	1,200	274	2,617,858	6,200	3	<.5	6,203
1960	2,254			2,254	5			5
1961	753,412			753,412	2,230	<1		2,230
1962	6,680			6,680	14			14
1963	6,301,706	5,300	1,896	6,308,902	14,271	11	5	14,287
1964	10,262			10,262	7	<1		7
1965	729,052	42,300	11,382	782,734	2,070	99	34	2,203
1966	30,178	1,000	98	31,276	65	2	<.5	67
1967	4,077,242	268,300	30,356	4,375,898	9,948	560	83	10,591
1968	5,093	900	519	6,512	9	2	1	12
1969	1,001,575	64,900	4,879	1,071,354	2,698	135	11	2,844
1970	8,506	200	52	8,758	20	<1	<.5	20
1971	2,499,050	2,000	1,217	2,502,267	5,815	5	4	5,824
1972	3,667	<500	42	3,709	6	<1	<.5	6
1973	2,418,731	3,200	18,959	2,440,890	5,795	7	46	5,848
1974	1,426	<500	258	1,684	3	<1	-	3
1975	1,407,508	200	3,052	1,410,760	3,749	-	8	3,757
1976	1,633	-	<50	1,633	3	-	<.5	3
1977	2,322,336	88,000	1,831	2,412,167	6,068	207	6	6,281
1978	3,746	<500	-	3,746	8	<.5	-	8
1979	4,707,688	20,000	239	4,727,927	10,614	55	<.5	10,669
1980	2,116	<500	2	2,118	5	1	<.5	6
1981	4,136,000	915,000	7,000	5,058,000	9,031	169	14	9,214
1982	300	-	-	300	1	-		1

Sources INPFC Bull. 39, INPFC Stat. Yearbooks for 1977-1980, INPFC Unpub. data for 1981 & 1982.
Note: Data reproduced as presented in original source documents (in some years data given in only numbers or weights).

Table 130. Landings of chum salmon in Oregon and Washington, 1922-1982.

	I	II	IV	V	VI	VIII
	Numbers of Fish			Tonnes		
Year	Washington	Oregon	Total	Washington	Oregon	Total
1922	606,316	10,488	616,804	2,867	58	2,925
1923	913,792	89,150	1,002,942	3,988	493	4,481
1924	1,277,031	245,931	1,522,962	5,543	1,360	6,903
1925	1,009,582	191,863	1,201,445	5,213	1,061	6,274
1926	1,261,541	66,546	1,328,087	6,025	368	6,393
1927	1,025,741	301,808	1,327,549	5,056	1,669	6,725
1928	1,635,420	430,199	2,065,619	7,767	2,379	10,146
1929	1,924,912	182,278	2,107,190	9,299	1,008	10,307
1930	1,171,702	48,101	1,219,803	5,481	266	5,747
1931	888,306	126,944	1,015,250	4,466	702	5,168
1932	1,344,093	53,165	1,397,258	6,893	294	7,187
1933	633,910	96,383	730,293	3,128	533	3,661
1934	1,057,333	79,747	1,137,080	4,411	441	4,852
1935	844,034	98,373	942,407	3,837	544	4,381
1936	1,036,734	153,888	1,190,622	4,732	851	5,583
1937	982,536	129,476	1,112,012	4,449	716	5,165
1938	1,008,660	162,200	1,170,860	4,573	897	5,470
1939	441,186	102,700	543,886	1,994	568	2,562
1940	741,179	106,900	848,079	3,631	591	4,222
1941	1,183,723	377,900	1,561,623	5,390	2,090	7,480
1942	1,197,274	486,600	1,683,874	5,425	2,691	8,116
1943	562,982	77,400	640,382	2,569	428	2,997
1944	396,248	43,900	440,148	1,811	243	2,054
1945	520,538	95,800	616,338	2,371	530	2,901
1946	1,513,781	89,500	1,603,281	6,914	495	7,409
1947	706,887	56,100	762,987	3,075	310	3,385
1948	1,100,183	130,200	1,230,383	4,819	720	5,539
1949	537,078	59,700	596,778	2,371	330	2,701
1950	1,088,096	46,500	1,134,596	5,620	257	5,877
1951	1,043,102	50,500	1,093,602	5,339	279	5,618
1952	930,813	30,600	961,413	5,319	169	5,488
1953	506,214	34,900	541,114	2,631	193	2,824
1954	739,500	40,900	780,400	3,925	226	4,151
1955	375,087	15,000	390,087	2,016	83	2,099
1956	200,328	11,200	211,528	1,013	63	1,076
1957	210,492	13,000	223,492	1,068	70	1,138
1958	559,547	13,700	573,247	2,759	75	2,834
1959	519,384	7,900	527,284	2,798	44	2,842
1960	206,159	1,900	208,059	950	10	960
1961	174,459	2,100	176,559	902	12	914
1962	238,487	2,300	240,787	1,209	13	1,222
1963	317,973	700	318,673	1,398	4	1,402
1964	285,612	1,500	287,112	1,423	7	1,430
1965	210,667	300	210,967	907	2	909
1966	427,731	600	428,331	1,947	3	1,950
1967	292,055	1,300	293,355	1,331	4	1,335
1968	481,703	200	481,903	2,516	1	2,517
1969	199,932	200	200,132	973	1	974
1970	270,471	400	270,871	1,316	2	1,318
1971	183,056	300	183,356	768	1	769
1972	894,983	800	895,783	4,318	5	4,323
1973	606,733	900	607,633	3,068	5	3,073
1974	462,489	300	462,789	2,361	1	2,362
1975	215,684	400	216,084	1,023	2	1,025
1976	823,320	500	823,820	4,141	3	4,144
1977	472,000	<500	472,000	2,273	<.5	2,273
1978	1,285,941	1,000	1,286,941	6,420	6	6,426
1979	130,898	<500	130,898	618	<.5	618
1980	1,014,842	<500	1,014,842	4,767	<.5	4,767
1981	542,000	-	542,000	2,739	5	2,744
1982	1,119,000	1,100	1,120,100	5,476	6	5,482

Sources INPFC Bull. 39, INPFC Stat. Yearbooks for 1977-1980, INPFC Unpub. data for 1981 & 1982. Oregon numbers prior to 1939 developed from conversion calculated in Table 134.

Table 131. Landings of coho salmon in Oregon, Washington and California, 1922-1982.

	I	II	III	IV	V	VI	VII	VIII
	Numbers of Fish				Tonnes			
Year	Washington	Oregon	California	Total	Washington	Oregon	California	Total
1922	1,161,326	437,445	80,729	1,679,500	6,721	1,986	310	9,017
1923	1,256,510	671,145	69,531	1,997,187	5,874	3,047	267	9,188
1924	1,256,550	1,026,872	98,438	2,381,860	7,329	4,662	378	12,369
1925	1,095,237	1,023,789	93,490	2,212,515	6,892	4,648	359	11,899
1926	946,175	879,956	59,635	1,885,766	6,990	3,995	229	11,214
1927	1,262,448	701,542	63,802	2,027,792	7,096	3,185	245	10,526
1928	961,021	516,960	44,010	1,521,992	6,056	2,347	169	8,572
1929	1,007,774	660,352	49,479	1,717,606	7,059	2,998	190	10,247
1930	805,345	812,775	58,854	1,676,974	7,073	3,690	226	10,989
1931	684,334	491,630	53,125	1,229,089	6,423	2,232	204	8,859
1932	581,125	774,449	46,094	1,401,668	5,636	3,516	177	9,329
1933	726,878	492,731	44,792	1,264,401	4,586	2,237	172	6,995
1934	649,013	691,189	42,448	1,382,650	5,243	3,138	163	8,544
1935	1,902,043	1,321,586	55,469	3,279,098	7,548	6,000	213	13,761
1936	1,118,497	489,648	49,219	1,657,363	4,302	2,223	189	6,714
1937	1,069,437	720,925	58,073	1,848,435	4,149	3,273	223	7,645
1938	860,203	436,700	37,500	1,334,403	3,642	3,408	144	7,194
1939	1,225,531	406,000	26,823	1,658,354	4,943	3,356	103	8,402
1940	1,070,919	414,100	65,625	1,550,644	4,273	2,787	252	7,312
1941	1,255,930	330,700	37,240	1,623,870	4,614	1,989	143	6,746
1942	588,607	156,200	64,844	809,651	2,286	1,202	249	3,737
1943	870,974	122,400	64,583	1,057,957	3,232	845	248	4,325
1944	698,634	267,600	101,042	1,067,276	3,026	2,175	388	5,589
1945	1,068,122	267,300	131,250	1,466,672	4,566	2,274	504	7,344
1946	606,199	214,800	134,115	955,114	2,630	1,605	515	4,750
1947	1,354,799	527,300	112,760	1,994,859	5,461	1,949	433	7,843
1948	1,259,747	232,100	80,208	1,572,055	4,939	1,475	308	6,722
1949	1,247,800	201,800	63,021	1,512,621	4,784	1,181	242	6,207
1950	1,407,265	175,900	73,177	1,656,342	6,590	1,235	281	8,106
1951	1,323,162	329,100	54,688	1,706,950	5,427	1,752	210	7,389
1952	1,852,245	439,900	88,542	2,380,687	7,909	1,959	340	10,208
1953	1,269,921	307,500	69,531	1,646,952	4,915	1,365	267	6,547
1954	722,377	248,700	50,521	1,021,598	2,877	1,046	194	4,117
1955	1,043,054	299,000	41,406	1,383,460	4,132	1,249	159	5,540
1956	1,433,520	476,000	58,073	1,967,593	5,314	1,779	223	7,316
1957	1,108,264	571,200	62,500	1,741,964	3,496	1,865	240	5,601
1958	994,852	209,400	8,854	1,213,106	3,829	664	34	4,527
1959	988,199	186,800	34,889	1,209,888	3,008	500	117	3,625
1960	340,685	126,500	17,518	484,703	1,322	446	65	1,833
1961	1,035,087	355,500	79,069	1,469,656	3,935	1,176	280	5,391
1962	1,142,224	343,300	47,807	1,533,331	4,322	1,188	194	5,704
1963	880,967	510,400	161,997	1,553,364	2,767	1,552	532	4,851
1964	1,127,685	722,600	247,151	2,097,436	4,256	2,638	1,001	7,895
1965	1,495,976	858,100	217,404	2,571,480	5,493	2,903	820	9,216
1966	1,681,454	990,300	445,792	3,117,546	5,760	3,943	1,808	11,511
1967	1,213,159	1,306,200	414,110	2,933,469	4,371	5,151	1,761	11,283
1968	1,275,276	925,100	362,386	2,562,762	3,946	2,622	1,220	7,788
1969	921,059	709,200	193,318	1,823,577	3,228	2,241	644	6,113
1970	1,869,723	1,412,200	182,896	3,464,819	7,885	5,935	691	14,511
1971	2,001,477	1,695,200	441,824	4,138,501	6,100	5,341	1,660	13,101
1972	1,252,943	925,100	157,987	2,336,030	4,471	2,941	548	7,960
1973	1,671,451	936,800	348,278	2,956,529	5,854	3,314	1,041	10,209
1974	2,117,060	1,328,200	636,516	4,081,776	6,923	4,562	1,858	13,343
1975	1,836,878	772,200	204,007	2,813,085	6,589	2,641	591	9,821
1976	2,162,155	1,936,200	695,201	4,793,556	5,530	5,096	1,761	12,387
1977	1,745,311	478,000	63,848	2,287,159	5,356	1,493	221	7,070
1978	1,479,756	730,000	238,442	2,448,198	4,222	1,870	687	6,779
1979	1,537,767	821,000	164,110	2,522,877	4,706	2,749	548	8,003
1980	1,810,350	479,000	49,962	2,339,312	5,863	1,477	158	7,498
1981	1,249,000	660,000	78,000	1,987,000	3,270	1,885	243	5,398
1982	1,738,900	661,300	89,800	2,490,000	5,412	1,907	283	7,602

Sources INPFC Bull. 39, INPFC Stat. Yearbooks for 1977-1980, INPFC Unpub. data for 1981 & 1982. Oregon numbers prior to 1939, California numbers prior to 1959 and California species composition prior to 1940 derived from conversion factors developed in Table 134.

Table 132. Landings of chinook salmon in Oregon, Washington and California, 1922-1982.

	I	II	III	IV	V	VI	VII	VIII
	Numbers of Fish				Tonnes			
Year	Washington	Oregon	California	Total	Washington	Oregon	California	Total
1922	391,691	652,787	595,826	1,640,304	4,976	5,738	3,426	14,140
1923	534,779	895,904	512,870	1,943,553	5,995	7,875	2,949	16,819
1924	580,899	1,011,718	724,348	2,316,965	11,203	8,893	4,165	24,261
1925	702,149	1,105,347	689,043	2,496,539	10,776	9,716	3,962	24,454
1926	629,805	846,189	440,174	1,916,168	8,668	7,438	2,531	18,637
1927	710,425	884,073	471,130	2,065,628	9,634	7,771	2,709	20,114
1928	548,203	619,454	323,826	1,491,483	7,908	5,445	1,862	15,215
1929	591,305	564,733	364,870	1,520,907	8,599	4,964	2,098	15,661
1930	601,503	612,287	431,130	1,644,920	9,061	5,382	2,479	16,922
1931	555,782	717,179	392,174	1,665,135	9,215	6,304	2,255	17,774
1932	518,935	550,057	340,000	1,408,992	8,045	4,835	1,955	14,835
1933	592,853	677,247	330,609	1,600,709	7,902	5,953	1,901	15,756
1934	580,644	624,915	312,348	1,517,907	7,712	5,493	1,796	15,001
1935	563,084	635,495	409,217	1,607,796	4,990	5,586	2,353	12,929
1936	610,340	749,374	363,304	1,723,019	5,437	6,587	2,089	14,113
1937	652,398	824,573	427,304	1,904,276	5,747	7,248	2,457	15,452
1938	434,699	515,600	277,217	1,227,516	3,913	5,007	1,594	10,514
1939	468,545	527,000	197,739	1,193,284	4,246	5,130	1,137	10,513
1940	588,119	564,800	482,783	1,635,702	5,379	5,495	2,776	13,650
1941	656,811	968,500	274,261	1,899,572	6,210	6,985	1,577	14,772
1942	607,716	694,700	478,609	1,781,025	5,396	6,397	2,752	14,545
1943	487,020	453,600	476,000	1,416,620	4,242	4,240	2,737	11,219
1944	497,234	575,900	744,000	1,817,134	4,521	5,113	4,278	13,912
1945	546,127	613,800	967,826	2,127,753	4,975	5,302	5,565	15,842
1946	643,433	698,300	987,826	2,329,559	5,677	5,894	5,680	17,251
1947	637,178	804,900	830,609	2,272,687	5,708	6,835	4,776	17,319
1948	572,846	759,800	558,435	1,891,081	4,950	6,310	3,211	14,471
1949	507,761	499,600	465,217	1,472,578	4,385	4,306	2,675	11,366
1950	480,408	524,500	508,870	1,513,778	4,045	3,864	2,926	10,835
1951	594,789	560,200	530,783	1,685,772	4,950	4,223	3,052	12,225
1952	662,082	481,200	514,609	1,657,891	5,270	3,531	2,959	11,760
1953	630,302	376,300	583,652	1,590,254	4,918	3,028	3,356	11,302
1954	570,145	385,400	715,652	1,671,197	4,159	2,917	4,115	11,191
1955	651,221	641,800	913,739	2,206,760	4,552	4,271	5,254	14,077
1956	519,330	673,900	861,739	2,054,969	3,761	4,547	4,955	13,263
1957	586,189	515,100	392,174	1,493,463	3,807	3,088	2,255	9,150
1958	481,645	419,300	282,609	1,183,554	3,278	2,729	1,625	7,632
1959	374,999	245,000	513,589	1,133,588	2,664	1,656	3,413	7,733
1960	288,282	316,200	539,702	1,144,184	2,103	1,951	3,180	7,234
1961	371,065	284,300	773,600	1,428,965	2,726	1,953	4,226	8,905
1962	329,832	248,100	556,219	1,134,151	2,524	2,043	3,287	7,854
1963	396,543	328,500	662,432	1,387,475	2,903	2,162	3,562	8,627
1964	349,419	362,800	686,680	1,398,899	2,547	1,808	3,944	8,299
1965	317,403	299,700	705,260	1,322,363	2,602	2,345	4,226	9,173
1966	365,445	231,400	553,575	1,150,420	2,664	1,661	3,119	7,444
1967	356,378	269,900	337,884	964,162	2,671	2,112	2,017	6,800
1968	394,022	249,100	472,009	1,115,131	2,811	1,715	2,406	6,932
1969	450,180	339,300	551,423	1,340,903	3,233	2,375	2,553	8,161
1970	542,293	405,200	516,648	1,464,141	3,882	2,863	2,748	9,493
1971	564,999	314,600	433,711	1,313,310	3,896	2,274	2,568	8,738
1972	485,984	323,700	492,130	1,301,814	3,425	2,307	2,802	8,534
1973	684,414	658,300	816,128	2,158,842	4,860	4,352	3,952	13,164
1974	611,833	340,000	526,830	1,478,663	4,044	2,230	2,702	8,976
1975	681,214	391,000	578,713	1,650,927	4,799	2,950	3,016	10,765
1976	781,555	302,200	464,659	1,548,414	5,402	2,045	2,248	9,695
1977	687,329	497,000	607,372	1,791,701	4,601	3,151	2,866	10,618
1978	521,166	312,000	518,555	1,351,721	3,688	2,055	2,732	8,475
1979	452,310	343,000	658,812	1,454,122	3,058	2,179	3,578	8,815
1980	513,449	280,000	576,563	1,370,012	3,607	1,794	2,931	8,332
1981	433,000	194,000	549,000	1,176,000	2,886	1,107	2,054	6,847
1982	161,700	316,600	764,000	1,242,300	3,203	1,980	3,842	9,025

Sources INPFC Bull. 39, INPFC Stat. Yearbooks for 1977-1980, INPFC Unpub. data for 1981 & 1982. Oregon numbers prior to 1939, California numbers prior to 1959 and California species composition prior to 1948 derived from conversion factors developed in Table 134.

Table 133. Estimated commercial catches of salmon in the Northwestern United States, 1864-1921.

	I	II	III	IV	V	VI	VII	VIII	IX	X
	Numbers of Fish					Tonnes				
Year	Sockeye	Pink	Chum	Coho	Chinook	Sockeye	Pink	Chum	Coho	Chinook
1864					6.1					73
1865					6.1					73
1866					12.2					145
1867					55.0					653
1868					85.5					1,016
1869					305.5					3,629
1870					458.2					5,443
1871					610.9					7,258
1872					763.6					9,072
1873					763.6					9,072
1874					1,076.7					12,791
1875					1,154.6					13,717
1876					1,405.1					16,692
1877					1,252.4					14,878
1878					1,554.1					18,463
1879					1,508.5					17,921
1880					1,842.7					21,891
1881					2,233.5					26,534
1882				32.5	2,264.3				181	26,900
1883				1.6	2,344.0				9	27,847
1884				8.4	2,184.4				47	25,951
1885				-	1,988.8				-	23,627
1886				-	1,528.2				-	18,155
1887				-	1,198.9				-	14,243
1888				-	1,366.3				-	16,232
1889	323.6	55.9	40.0	872.4	1,128.5	549	146	187	4,855	13,407
1890	1,042.6		89.2	447.6	1,132.3	1,769	-	417	2,491	13,451
1891	353.8	131.0	99.1	411.3	1,121.9	679	342	463	2,289	13,327
1892	1,248.5		321.2	720.6	1,114.2	2,160	-	1,501	4,010	13,236
1893	1,178.5	243.7	254.0	640.6	1,012.8	2,676	636	1,187	3,565	12,031
1894	1,342.1	125.7	269.0	811.5	1,238.8	2,868	328	1,257	4,516	14,716
1895	1,178.0	394.6	737.4	1,791.0	1,466.0	2,920	1,030	3,446	9,967	17,415
1896	1,261.5		304.3	1,263.4	1,393.5	3,172	-	1,422	7,031	16,553
1897	4,309.6	796.2	249.3	1,375.7	1,629.3	11,724	2,078	1,165	7,656	19,354
1898	4,502.0		359.9	1,485.9	1,311.8	11,201	-	1,682	8,269	15,583
1899	6,958.6	3,559.0	636.4	2,107.3	1,211.1	18,870	9,289	2,974	11,727	14,387
1900	3,239.3		972.2	1,356.5	1,174.8	8,745	-	4,543	7,549	13,956
1901	14,088.2	NA	564.7	998.9	842.4	38,733	NA	2,639	5,559	10,007
1902	4,311.5		1,197.9	941.1	1,489.8	11,649	-	5,598	5,237	17,697
1903	2,063.5	2,521.1	203.3	1,029.6	1,737.6	5,571	6,580	950	5,730	20,641
1904	1,740.8		845.7	1,523.5	2,114.7	4,585	-	3,952	8,478	25,120
1905	10,471.5	987.0	750.7	1,030.0	2,157.6	28,954	2,576	3,508	5,732	25,630
1906	2,172.7		1,516.8	1,428.6	1,814.0	5,885	-	7,088	7,950	21,549
1907	1,130.5	6,026.1	636.6	1,465.2	1,713.7	3,034	15,728	2,975	8,154	20,357
1908	2,035.3	84.3	657.8	1,538.9	1,516.3	5,488	220	3,074	8,564	18,012
1909	14,120.7	5,159.0	728.0	1,597.7	1,478.0	38,757	13,465	3,402	8,891	17,557
1910	2,879.0	1.5	1,889.6	2,175.0	1,992.3	7,880	4	8,830	12,104	23,666
1911	1,556.8	14,712.3	1,663.2	3,081.2	2,432.2	4,209	38,399	7,772	17,147	28,892
1912	2,155.2	9.6	895.1	1,850.5	1,880.5	5,829	25	4,183	10,298	22,338
1913	21,939.2	15,952.2	723.7	980.1	1,725.1	60,764	41,635	3,382	5,454	20,493
1914	4,101.7	83.2	2,865.2	2,120.2	1,847.7	10,810	217	13,389	11,799	21,949
1915	836.2	7,411.1	4,203.5	1,814.7	2,064.6	2,217	19,343	19,643	10,099	24,525
1916	978.3	76.1	5,393.3	2,030.4	2,129.6	2,645	199	25,203	11,299	25,297
1917	5,150.5	13,381.6	2,317.4	1,521.8	1,983.6	14,160	34,926	10,829	8,469	23,563
1918	1,257.0	88.4	2,388.6	2,787.6	1,960.3	2,749	231	11,162	15,513	23,286
1919	910.8	4,673.3	5,059.5	2,298.1	2,228.6	2,389	12,197	23,643	12,789	26,474
1920	725.3	19.7	517.7	390.3	1,935.8	1,964	51	2,419	2,172	22,995
1921	1,309.8	4,412.7	283.3	680.3	1,579.3	3,522	11,517	1,324	3,786	18,761

Sources Column I: Column II of Table 149 plus Column V of Table 150. Column II: Column VII converted @ 2.61 kg/fish.
Column III: Column VIII converted @ 4.67kg/fish. Column IV: Column IX coverted @ 5.57 kg/fish.
Column V: Column X converted @ 11.88kg/fish. See Text.
1889-1892, 1895 & 1899: Column VI, See Tables 149 & 150; Columns VII-IX from Table 147; Column X: Tables 145 & 146.
All other years: Column VI, see Tables 149 &150; Column VII, Table 142. Column VIII: Table 143; Column IX, Table 144; Column X, Tables 145 & 146.

Table 134. Weights and numbers of salmon caught in Oregon and California fisheries.

a) Oregon weights, 1938-1947.

	SOCKEYE			CHUM			COHO			CHINOOK		
Year	Number	Weight (tonnes)	Average Weight (kg)	Number	Weight (tonnes)	Average Weight (kg)	Number	Weight (tonnes)	Average Weight (kg)	Number	Weight (tonnes)	Average Weight (kg)
1938	85,100	133	1.56	162,200	897	5.53	436,700	3,408	7.80	515,600	5,007	9.71
1939	60,100	92	1.53	102,700	568	5.53	406,000	3,356	8.27	527,000	5,130	9.73
1940	76,000	116	1.53	106,900	591	5.53	414,100	2,787	6.73	564,800	5,495	9.73
1941	102,500	163	1.59	377,900	2,090	5.53	330,700	1,989	6.01	968,500	6,985	7.21
1942	40,700	63	1.55	486,600	2,691	5.53	156,200	1,202	7.70	694,700	6,397	9.21
1943	25,600	53	2.07	77,400	428	5.53	122,400	845	6.90	453,600	4,240	9.35
1944	13,600	21	1.54	43,900	243	5.54	267,600	2,175	8.13	575,900	5,113	8.88
1945	1,800	3	1.67	95,800	530	5.53	267,300	2,274	8.51	613,800	5,302	8.64
1946	30,400	52	1.71	89,500	495	5.53	214,800	1,605	7.47	698,300	5,894	8.44
1947	165,700	264	1.59	56,100	310	5.53	527,300	1,949	3.70	804,900	6,835	8.49
		Average:	1.60			5.53			6.87			8.79

Source: INPFC Bull. 39, Tables 81 and 82.

b) California weights, 1959-1968.

	I	II	III	IV	V	VI
	COHO			CHINOOK		
Year	Number	Weight (tonnes)	Average Weight (kg)	Number	Weight (tonnes)	Average Weight (kg)
1959	34,889	117	3.35	513,589	3,413	6.65
1960	17,518	65	3.71	539,702	3,180	5.89
1961	79,069	280	3.54	773,600	4,226	5.46
1962	47,807	194	4.06	556,219	3,287	5.91
1963	161,997	532	3.28	662,432	3,562	5.38
1964	247,151	1,001	4.05	686,680	3,944	5.74
1965	217,404	820	3.77	705,260	4,226	5.99
1966	445,792	1,808	4.06	553,575	3,119	5.63
1967	414,110	1,761	4.25	337,884	2,017	5.97
1968	362,386	1,220	3.37	472,009	2,406	5.10
		Average:	3.84			5.75

Source: INPFC Bull. 39, Tables 83 and 84.

c) California species composition, 1948-1956.

	Catch (tonnes)		Species Composition (percent)	
Year	Coho	Chinook	Coho	Chinook
1948	308	3,211	8.75	91.25
1950	281	2,926	8.76	91.24
1951	210	3,052	6.44	93.56
1952	340	2,959	10.31	89.69
1953	267	3,356	7.37	92.63
1954	194	4,115	4.50	95.50
1955	159	5,254	2.94	97.06
1956	223	4,955	4.31	95.69
1957	240	2,255	9.62	90.38
1958	34	1,625	2.05	97.95
		Average:	8.31	91.69

Source: INPFC Bull. 39, Table 83.

Table 135. Comparison of estimated sockeye catches in the Juan de Fuca/Puget Sound and Columbia River areas with estimated Washington and Oregon catches recorded in INPFC Bulletin 39, in numbers of fish, 1922-1934.

	I	II	III	IV	V	VI
	IPSFC/"Davidson" Data			INPFC Bull. 39 Data		
Year	Puget Sd.	Columbia	Total	Washington	Oregon	Total
1922	513,800	558,964	1,072,764	640,397	265,000	905,397
1923	495,500	696,527	1,192,027	686,738	585,625	1,272,363
1924	772,100	133,927	906,027	775,958	123,750	899,708
1925	1,375,000	102,727	1,477,727	1,274,237	100,000	1,374,237
1926	469,900	395,200	865,100	537,233	228,125	765,358
1927	1,069.600	125,218	1,194,818	1,018,373	67,500	1,085,873
1928	630,500	87,527	718,027	642,009	43,125	685,134
1929	1,334,100	183,151	1,517,251	1,314,021	92,500	1,406,521
1930	3,544,700	178,600	3,723,300	3,284,720	79,375	3,364,095
1931	975,600	75,000	1,050,600	743,419	35,000	778,419
1932	853,400	50,818	904,218	834,843	25,625	860,468
1933	1,724,100	125,836	1,849,936	1,611,015	30,000	1,641,015
1934	3,590,100	124,891	3,714,991	2,692,041	58,750	2,750,791

Sources Column I: Column I of Table 148.
Column II: Column V of Table 150.
Column III: Column I plus Column II.
Column IV: INPFC Bull. 39, Table 80.
Column V: INPFC Bull. 39, Table 81, converted at 1.6 Kg./fish - See Table 132.
Column VI: Column IV plus Column V

Table 136. Estimated landings of sockeye salmon in Washington, Oregon and California, 1889-1915.

	I	II	II	IV	V	VI	VII	VIII	IX
	Production (lbs)					Estimated Catch (tonnes)			
	Washington		Oregon	California					
Year	Whole	Salted	Whole	Whole	Salted	Washington	Oregon	California	Total
1889	490,192		1,147,090			222	520		743
1890	1,487,100		3,543,943			675	1608		2282
1891	1,145,850		871,392			520	395		915
1892	2,513,932		3,140,397			1140	1424		2565
1895	7,292,588		565,913	192,000		3308	257	87	3652
1899	41,931,194	70,000	579,183	21,600		19068	263	10	19340
1904	11,507,410		333,928	266,420	6,420	5220	151	125	5496
1908	12,501,000		403,000	147,000		5670	183	67	5920
1909	77,280,989		844,324	21,000		35055	383	10	35447
1915	5,043,374		337,027			2288	153		2441

Source: Columns I to IV: Rept. U.S. Commissioner Fish. for relevant years. Columns VI to IX: Columns I to V converted to metric tons (salted fish converted at 1.5 lb round weight/lb. processed weight).

Table 137. Estimated landings of pink salmon in Washington, 1889-1915

	I	II	III
	Production (lbs)		
Year	Whole	Salted	Estimated Catch (tonnes)
1889	322,392		146
1891	752,941		342
1895	2,269,766		1030
1899	18,579,907	1,266,093	9289
1909	17,495,586		7936
1915	29,998,291		13607

Source: Columns I and II: Repts. U.S. Commisioner Fish. for relevant years. Column III Columns I and II converted to metric tons (salted fish converted at 1.5 lb round weight/lb. processed weight).

Table 138. Estimated landings of chum salmon in Washington and Oregon, 1889-1915.

	I	II	III	IV	V	VI
	Production (lbs)			Estimated Catch (tonnes)		
	Washington		Oregon			
Year	Whole	Salted	Whole	Washington	Oregon	Total
1889	413,327			187		187
1890	918,773			417		417
1891	1,021,051			463		463
1892	3,310,115			1501		1501
1895	5,471,897		2,125,115	2482	964	3446
1899	6,522,629	22,302	789,615	2974	-	2974
1904	13,652,168		998,825	6193	453	6646
1908	13,055,000		905,000	5922	411	6332
1909	25,520,426		699,348	11576	317	11893
1915	17,156,224		1,981,879	7782	899	8681

Source: Columns I to III: Rept. U.S. Commisioner Fish. for relevant years.
Columns IV to VI: Columns I to III converted to metric tons (salted fish converted at 1.5 lb round weight/lb. processed weight).

Table 139. Estimated landings of coho salmon in Washington, Oregon, and California, 1889-1915.

	I	II	III	IV	V	VI	VII	VIII	IX	X
	Production (lbs)						Estimated Catch (tonnes)			
	Washington		Oregon		California					
Year	Whole	Salted	Whole	Salted	Whole	Salted	Washington	Oregon	California	Total
1889	4,020,815		4,125,540	359,100	1,365,720	435,600	1,824	2,116	916	4,855
1890	1,419,172		2,168,399	313,100	1,184,952	167,000	644	1,197	651	2,491
1891	2,193,320		1,175,620	299,550	1,073,446	116,200	995	737	566	2,298
1892	3,597,345		3,925,451	252,100	881,762	39,000	1,632	1,952	427	4,010
1895	12,351,721		9,457,355		164,413		5,603	4,290	75	9,967
1899	20,606,686	21,000	5,154,375		60,160		9,361	2,338	27	11,727
1904	26,021,187		4,255,393		266,006	3,210	11,803	1,930	123	13,856
1908	14,080,000		4,923,000		141,000		6,387	2,233	64	8,684
1909	21,328,466		5,184,520		99,500	46,000	9,675	2,352	76	12,103
1915	18,630,302		4,844,844		240,351		8,451	2,198	109	10,757

Source: Columns I to VI: Repts. U.S. Comisioner Fish. for relevant years. Columns VII to X: Columns I to VI converted to metric tons (salted fish converted at 1.5 lb round weight/lb. processed weight).

Table 140. Estimated landings of chinook salmon in Washington, Oregon and California, 1889-1915.

	I	II	III	IV	V	VI	VII	VIII	IX	X
	Production (lbs)						Estimated Catch (tonnes)			
	Washington		Oregon		California					
Year	Whole	Salted	Whole	Salted	Whole	Salted	Washington	Oregon	California	Total
1889	10,207,756		12,478,087	70,900	6,765,430		4630	5708	3069	13407
1890	9,547,343		16,596,301	87,100	3,380,116		4331	7587	1533	13451
1891	9,723,673		17,168,968	97,450	2,341,045		4411	7854	1062	13327
1892	9,843,627		15,577,282	54,700	3,541,204	90,000	4465	7103	1668	13236
1895	12,936,886		21,056,926		4,398,044		5868	9551	1995	17415
1899	10,702,189	118,220	13,744,810	2,400	7,084,885	3,000	4935	6236	3216	14387
1904	15,211,783		20,022,216		8,576,283	3,169,796	6900	9082	6047	22029
1908	12,336,000		18,176,000		8,846,000		5596	8245	4013	17853
1909	11,016,476		735,976	480	11,893,199	69,049	4997	334	5442	10773
1915	18,188,160		23,497,052		6,640,933	20,000	8250	10658	3026	21934

Source: Columns I to VI: Repts. U.S. Commisioner Fish. for relevent years. Columns VII to X: Columns I to VI converted to metric tons (salted fish converted at 1.5 lb round weight/lb. processed weight).

Table 141. Pack of sockeye salmon in Washington and Oregon, with estimates of equivalent landed weights, 1889-1921.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI
	Pack (cases)										Estimated Landed Weight (tonnes)
Year	Puget Sound	Soleduck River	Hoh River	Queets River	Quinalt River	Gray's Harbor	Willipa Harbor	Columbia River	Alsea River	Total	
1889								17,797		17,797	646
1890								57,345		57,345	2,081
1891	5,538							15,482		21,020	763
1892	2,954							66,547		69,501	2,522
1893	47,852							30,459		78,311	2,842
1894	41,781							43,814		85,595	3,106
1895	65,143							18,015		83,158	3,018
1896	72,979							16,983		89,962	3,265
1897	312,048							12,972		325,020	11,794
1898	252,000							66,670		318,670	11,564
1899	499,646							23,969		523,615	19,001
1900	229,800							13,162		242,962	8,817
1901	1,220,000									1,220,000	44,271
1902	372,301							17,037		389,338	14,128
1903	167,211							8,383		175,594	6,372
1904	109,264							12,911		122,175	4,433
1905	825,453							7,768		833,221	30,236
1906	178,748							7,816		186,564	6,770
1907	93,122							5,504		98,626	3,579
1908	170,951							8,581		179,532	6,515
1909	1,097,904					1,649		27,908		1,127,461	40,913
1910	248,014					4,350		6,234		258,598	9,384
1911	127,769				2,031			5,988		135,788	4,927
1912	184,680	15		200	4,500			8,210		197,605	7,171
1913	1,673,099			220	492			11,152		1,684,963	61,144
1914	339,787			200	12,074			35,311		387,372	14,057
1915	64,584			1,512	22,972			5,459		94,527	3,430
1916	90,866				10,315			3,790		104,971	3,809
1917	454,336				4,608			7,968		466,912	16,943
1918	52,587			20	2,470			37,833	541	93,451	3,391
1919	67,087			100	1,144			7,268		75,599	2,743
1920	62,751				235			2,617		65,603	2,381
1921	95,667				2,590			6,045		104,302	3,785

Source Columns I to IX: Cobb (1930). Column X: Sum of Columns I to IX. Column XI: Column X converted at 80 lb/case and .000453599 tonnes/lb.

Table 142. Pack of pink salmon in Washington, Oregon and California, with estimates of equivalent landed weights, 1889-1921.

	I	II	III	IV	V	VI	VII
	Pack (cases)						Estimated Landed Weight (tonnes)
Year	Puget Sound	Quinalt River	Grays Harbor	Willipa Harbor	Columbia River	Total	
1889	2,809					2,809	102
1890							
1891	5,647					5,647	205
1892							
1893	17,530					17,530	636
1894	9,049					9,049	328
1895	23,633					23,633	858
1896							
1897	57,268					57,268	2,078
1898							
1899	252,733					252,733	9,171
1900							
1901							
1902							
1903	181,326					181,326	6,580
1904							
1905	70,992					70,992	2,576
1906							
1907	433,423					433,423	15,728
1908	6,075					6,075	220
1909	370,993				55	371,048	13,465
1910	108					108	4
1911	1,046,992		6,730	4,462		1,058,184	38,399
1912	700					700	25
1913	791,886					791,886	28,736
1914	1,017					1,017	37
1915	583,649					583,649	21,179
1916	143,804		3,796		56	147,656	5,358
1917	1,130,163	1,206	10,073			1,141,442	41,421
1918	6,607					6,607	240
1919	437,731			1,688		439,419	15,946
1920	4,921					4,921	179
1921	375,900			141		376,041	13,646

Source Columns I to V: Cobb (1930). Column VI: Sum of Columns I to V. Column VII: Column VI converted at 80 lb/case and .000453599 tonnes/lb.

Table 143. Pack of chum salmon in Washington and Oregon, with estimates of equivalent landed weights, 1889-1921.

	I	II	III	IV	V	VI	VII	VIII	IX
	Pack (cases)								
Year	Puget Sound	Soleduck River	Hoh River	Queets River	Quinalt River	Gray's Harbor	Wil-lipa Harbor	Columbia River	Nehalem River
1889	1,145								
1890	4,000								
1891	3,093								
1892	16,180					3,000	2,500		
1893	11,380					5,500	6,600	2,311	
1894	22,152					5,000	6,800		
1895	38,785					2,517	4,917	22,493	
1896	26,550					4,180	8,450		
1897	23,310					1,900	6,900		
1898	38,400					2,200	5,746		
1899	31,481					3,500	4,989	11,379	1,288
1900	89,100					11,200	7,200	17,696	
1901									2,669
1902	93,492					17,500	24,528	10,401	2,570
1903	12,001						1,200	10,000	
1904	49,656					8,316	16,000	20,693	6,000
1905	41,057					7,000	6,000	25,751	6,000
1906	149,218					8,000	5,100	27,802	2,057
1907	50,249					3,500	624	22,556	2,000
1908	47,007					3,500	10,517	16,884	2,016
1909	53,688					5,047	5,747	24,542	909
1910	146,942					13,867	3,489	66,538	1,500
1911	98,321				5,400	31,177	10,482	53,471	3,439
1912	60,760	76		1,000	5,500	12,065	9,533	18,699	1,571
1913	56,225	28		670		12,919	8,872	13,303	5
1914	290,477	103		1,020	1,048	11,379	6,734	49,285	1,668
1915	411,724	192			1,993	22,737	5,686	86,530	2,260
1916	564,194			415	466	32,560	10,073	77,766	833
1917	218,977		110	47	1,821	10,910	4,516	53,659	472
1918	264,922		17		1,682	5,247	2,657	29,846	519
1919	529,967		332	50	650	28,712	9,301	75,493	1,183
1920	47,831		27					18,792	
1921	27,315					2,746	2,719	3,700	

Continued ...

Table 143. Continued.

	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX
	Pack (cases)									Estimated Landed Weight (tonnes)
Year	Tilla-mook Bay	Nesttuga River	Siletz River	Yaquina River	Alsea River	Siusla River	Umpqua River	Coquille River	Total	
1889									1,145	42
1890									4,000	145
1891									3,093	112
1892									21,680	787
1893	6,919								32,710	1,187
1894	700								34,652	1,257
1895	7,001								75,713	2,747
1896									39,180	1,422
1897									32,110	1,165
1898									46,346	1,682
1899	5,121	513	200	1,300		115	115		60,001	2,177
1900									125,196	4,543
1901	3,901	396	360	549	891				8,766	318
1902	4,093		500		670		500		154,254	5,598
1903	2,620			315	44				26,180	950
1904	6,500		1,000	450	300				108,915	3,952
1905	8,800	400	900	62	700				96,670	3,508
1906	1,270	165	167	60		1,500			195,339	7,088
1907	2,314	150	200	49	350				81,992	2,975
1908	4,000	100	300		400				84,724	3,074
1909	3,712			33	80				93,758	3,402
1910	2,000	140	250		100	8,502			243,328	8,830
1911	5,277	641	237	51	688	5,000			214,184	7,772
1912	4,550	708	283		524				115,269	4,183
1913	1,000		17		160				93,199	3,382
1914	6,707	265	196		73				368,955	13,389
1915	9,099	800	100		178				541,299	19,643
1916	7,530	200	210		292				694,539	25,203
1917	6,941	260	222		418		47	7	298,407	10,829
1918	1,567	215	384		312		1	217	307,586	11,162
1919	4,350	450	472		535			45	651,540	23,643
1920									66,650	2,419
1921									36,480	1,324

Source Columns I to XVII: Cobb (1930). Column XVIII: Sum of Columns I to XVII. Column XIX: Column XVIII converted at 80 lb/case and .000453599 tonnes/lb.

Table 144. Pack of coho salmon in Washington, Oregon, and California, with estimates of Equivalent landed weights, 1877-1921.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI
	Pack (cases)										
Year	Puget Sound	Soleduck River	Hoh River	Queets River	Quinalt River	Gray's Harbor	Willipa Harbor	Columbia River	Nehalem River	Tillamook Bay	Nesttuga River
1877	5,000										
1878	238										
1879	1,300										
1889	7,480										
1890	3,000										
1891	5,869					500	8,000				
1892	7,206					9,000	9,000	4,176	10,000	18,000	
1893	11,812					12,000	7,895	29,107	5,031	4,000	
1894	22,418					4,100	5,600	42,758	4,866	7,763	
1895	50,865					8,876	13,047	99,601	5,152	6,514	
1896	82,640					9,278	11,940	44,108	5,218	4,860	
1897	91,900					8,300	14,600	60,850	8,366	9,000	
1898	98,600					4,800	9,809	65,431	5,700	10,342	
1899	111,387					15,740	10,675	29,608	7,405	3,889	3,034
1900	128,200					12,900	12,400	44,925			
1901									3,273	2,133	3,553
1902	85,817					10,000	9,128	10,532	3,169	2,287	
1903	103,450						2,390	12,181	4,615	2,727	
1904	118,127					14,904	7,400	31,254	5,000	4,400	
1905	79,335					13,000	4,300	26,826	2,900	1,700	1,000
1906	94,497					11,500	5,340	41,446	4,976	2,364	2,468
1907	119,472					9,500	9,228	31,757	6,600	3,410	3,540
1908	128,922					9,500	5,923	31,432	6,100	6,000	3,000
1909	143,133					9,019	4,822	42,178	4,554	5,029	
1910	162,755					21,768	5,096	68,922	5,400	4,500	3,300
1911	256,123				6,000	28,991	9,298	79,416	14,878	12,663	7,124
1912	149,727	940		2,500	3,916	26,162	8,030	31,842	13,331	6,418	6,180
1913	61,019	1,040		1,680	7,106	5,723	3,111	40,969	764	1,000	243
1914	158,933	1,439		1,800	1,623	9,156	7,179	69,769	11,800	4,131	5,730
1915	180,783	1,320			1,388	14,036	4,008	33,336	5,400	4,549	3,930
1916	208,967			617	1,093	11,580	3,365	52,084	3,474	4,333	4,056
1917	115,860		204	1,196	2,609	9,589	2,143	64,299	851	5,522	3,800
1918	235,795		294	1,138	6,086	21,994	5,249	98,145	9,200	3,461	3,206
1919	201,697		233	1,025	775	12,214	1,491	90,728	8,124	7,150	2,400
1920	25,321		370			35		27,024			
1921	65,303					2,834	1,683	34,381			

Continued ...

Table 144. Continued.

XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	XXII	XXIII	XXIV	XXV
	Pack (cases)												
Year	Siletz River	Yaquina River	Alsea River	Siusla River	Umpqua River	Coos River	Coquille River	Rogue River	Smith River	Klamath River	Noyo River	Total	Estimated Landed Weight (tonnes)
1877												5,000	181
1878												238	9
1879												1,300	47
1889												7,480	271
1890												3,000	109
1891												14,369	521
1892			3,600	18,000	10,000		5,000	9,000				102,982	3,737
1893			3,240	11,830	3,204	3,125	6,500		500			98,244	3,565
1894			4,160	14,987	6,875	8,428	2,000		500			124,455	4,516
1895			3,280	10,465	7,697	2,332	8,724	4,385		400		221,338	8,032
1896	1,900	615	3,400	9,000	8,000	2,000	7,800	3,000				193,759	7,031
1897	5,015		3,200	3,900		2,200		3,653				210,984	7,656
1898	4,330	1,530	2,170	10,000		7,180	7,485	501				227,878	8,269
1899	2,319	3,234	5,010	7,323	7,576	5,174	7,550	1,745				221,669	8,044
1900							9,601					208,026	7,549
1901	3,740	2,848	4,629	7,488		4,082	5,096	4,184				41,026	1,489
1902	1,917		4,530	4,320		2,640	5,877	4,091				144,308	5,237
1903		1,238	4,242	6,842	6,733		8,685	4,792				157,895	5,730
1904	3,300	2,600	6,500	6,500	9,500	7,200	13,686	3,255				233,626	8,478
1905	1,700	2,050	1,800		10,500		11,343	1,500				157,954	5,732
1906	3,192	3,100	3,843	15,000	5,613	1,755	17,979	6,000				219,073	7,950
1907	4,300	1,000	5,100	15,773			13,220	1,796				224,696	8,154
1908	4,700	4,000	6,000	8,600			19,174	2,650				236,001	8,564
1909		1,139	5,486	7,436	7,753	3,959	9,818	699				245,025	8,891
1910	4,600	2,669	5,900	12,800	11,000	5,500	16,637	2,711				333,558	12,104
1911	7,164	1,009	9,329	10,266	6,118	7,260	16,676			204		472,519	17,147
1912	6,554		8,286	6,108	3,759	3,989	6,040					283,782	10,298
1913	354		4,304	4,281		7,383	8,910	2,403				150,290	5,454
1914	6,712		6,728	9,266	2,000	9,300	12,097	987	3,000	3,500		325,150	11,799
1915	3,000		6,966	1,755	5,100	3,500	5,131	515	1,078	2,500		278,295	10,099
1916	3,000		3,864	3,021	2,900	2,485	2,652	501	990	2,400		311,382	11,299
1917	3,400		6,621	350	5,366		8,005	660		2,900		233,375	8,469
1918	7,789		7,215	3,000	3,409	3,800	10,096	2,704	612	4,292		427,485	15,513
1919	5,892		2,607	3,760	7,500		5,010	671		1,145		352,422	12,789
1920	463		982				2,862				2,881	59,858	2,172
1921	122											104,323	3,786

Source Columns I to XXIII: Cobb (1930). Column XXIV: Sum of Columns I to XXIII. Column XXV: Column XXIV converted at 80 lb/case and .00045
3599

tonnes/lb.

Table 145. Pack of chinook salmon in Washington, Oregon and California, with estimates of equivalent landed weights, 1864-1921.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII
	Pack (cases)												
Year	Puget Sound	Soleduck River	Hoh River	Queets River	Quinalt River	Gray's Harbor	Willipa Harbor	Columbia River	Nehalem River	Tillamook Bay	Nesttuga River	Siletz River	Yaquina River
1864													
1865													
1866								4,000					
1867								18,000					
1868								28,000					
1869								100,000					
1870								150,000					
1871								200,000					
1872								250,000					
1873								250,000					
1874								350,000					
1875								375,000					
1876								450,000					
1877								380,000					
1878								460,000					
1879								480,000					
1880								530,000					
1881								550,000					
1882								541,300					
1883								629,400					
1884								620,000					
1885								553,800					
1886								448,500					
1987								356,000					
1888								372,477					
1889	240							266,697					
1890	1,000							335,604					
1891	382							353,907					
1892	86					4,500	3,000	344,267					
1893	1,200					4,500	1,700	288,773	1,692	497			
1894						12,300	2,700	351,106	1,627	700			
1895	1,542					56	4,636	444,909	1,752				
1896	13,495					7,816	4,551	370,943	2,828	2,200		2,500	1,714
1897	9,500					3,100	8,100	432,753	3,384	2,000		3,510	
1898	11,200					5,100	5,865	329,566	3,808	5,000		3,200	170
1899	24,364					5,000	5,650	255,824	1,384	2,180	1,109	2,200	316
1900	22,350					6,700	6,700	262,392					
1901									268	848	279	876	96
1902	30,049					4,000	5,836	270,580	271	215		600	
1903	14,500						2,300	301,762	686				
1904	14,441					4,339	3,000	320,378	500			1,000	50
1905	1,804					2,050	4,650	327,106	2,700	1,100	3,000	1,500	200
1906	8,139					2,500	4,000	311,334	3,987	1,870	2,622	2,635	500
1907	1,814					1,000	3,530	258,433	4,000	2,000	2,100	2,333	834
1908	95,210					1,000	4,017	210,096	5,000	2,300	2,000	2,100	
1909	13,019					5,721	1,455	162,131	1,985	2,615			
1910	10,064					15,495	2,923	244,285	3,500	2,900	2,000	2,200	
1911	21,823				5,000	15,773	5,717	405,862	5,821	8,433	3,562	3,584	
1912	20,252	517		750		9,060	6,123	220,317		3,811	3,090	3,277	
1913	1,234	206		1,082		1,253	67	192,116	300	2,600	126	15	
1914	27,140	426		1,175	51	11,899	2,924	289,464	4,841	4,734	3,542	3,356	
1915	28,466	1,214			1,144	4,219	3,148	406,486	400	5,675	200	100	
1916	45,072			1,506	1,365	12,400	5,115	395,166	2,700	9,465	2,400	1,000	
1917	70,918		372	713	309	12,124	1,720	403,637	783	8,822	2,000	1,800	
1918	62,821		60	381	1,497	8,731	921	400,952	1,685	107	3,000	4,304	
1919	71,190		18	450	165	4,370	1,152	392,125	500	1,500	1,900	1,393	
1920	27,482		524			337	62	420,467				2,002	
1921	25,662		366			942	623	267,582				3,136	

Continued...

Table 145. Continued.

	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI	XXII	XXIII	XXIV	XXV	XXVI	XXVII
	Pack (cases)													
Year	Alsea River	Siusla River	Umpqua River	Coos River	Coquille River	Rogue River	Smith River	Klamath River	Eel River	Noyo River	Sacramento River	Monterey Bay	Total	Estimated Landed Weight (tonnes)
1864											2,000		2,000	73
1865											2,000		2,000	73
1866													4,000	145
1867													18,000	653
1868													28,000	1,016
1869													100,000	3,629
1870													150,000	5,443
1871													200,000	7,258
1872													250,000	9,072
1873													250,000	9,072
1874											2,500		352,500	12,791
1875											3,000		378,000	13,717
1876											10,000		460,000	16,692
1877									8,500		21,500		410,000	14,878
1878							4,277		10,500		34,017		508,794	18,463
1879											13,855		493,855	17,921
1880							7,500		6,250		62,000		605,750	21,981
1881											181,200		731,200	26,534
1882											200,000		741,300	26,900
1883									15,000		123,000		767,400	27,847
1884							5,500		8,200		81,450		715,150	25,951
1885							1,550		5,750		90,000		651,100	23,627
1886									12,500		39,300		500,300	18,155
1987											36,500		392,500	14,243
1888							2,347	4,400			68,075		447,299	16,232
1889											57,300		324,237	11,766
1890											25,065		361,669	13,124
1891				3							10,353		364,645	13,232
1892						10,000		1,047			2,281		365,181	13,252
1893	1,260	1,471	809			3,200	1,500	1,600			23,336		331,538	12,031
1894	440	1,871	235	163			1,500	1,700			28,463		402,805	14,617
1895	1,700	1,637	992	5,110	760	10,377	2,250	1,200			25,185		502,106	18,220
1896	3,500	2,700	1,300	13,000	1,225	15,000					13,387		456,159	16,553
1897	1,800	1,100		6,200		15,355					38,543		525,345	19,064
1898	4,296	850		3,142	541	12,964					29,731		415,433	15,075
1899	2,150	1,162	925	1,273	950	5,481		1,600			32,580		344,148	12,488
1900					2,636						39,304		340,082	12,341
1901	695	1,735		1,215	133	2,681					17,500		26,326	955
1902	701	1,288		412	286	3,799		2,500			14,043		334,580	12,141
1903	1,031	1,519	23		331	8,418					8,200		338,770	12,293
1904	1,000	500	500	2,033	600	16,000		3,400			14,407		382,148	13,867
1905	2,500		6,100		2,100	18,500					2,780		376,090	13,648
1906	3,702	4,500	1,143	2,043	821	12,000							361,796	13,129
1907	800				306	7,537							284,687	10,331
1908	1,200					4,354							327,277	11,876
1909	1,119	632	500	275	250	186		5,633					195,521	7,095
1910	2,500	856	2,000	500	420	232		8,016	6,000				303,891	11,028
1911	4,161	1,120	300	2,630	715			7,400	8,400		4,142		504,443	18,305
1912	3,731		30	1,457	377			18,000	11,000				301,792	10,951
1913	1,607					3,020		6,376			950		210,952	7,655
1914	4,546		1,000			6,938		7,500			17,315		386,851	14,038
1915	1,668				1,079	19,094	1,955	10,400			5,229	950	491,427	17,833
1916	2,624	875			869	22,640	1,515	6,484			6,636	12,809	530,641	19,256
1917	2,727				694	24,707	6,300	5,130			9,443	2,000	554,195	20,111
1918	2,000		1,703		1,318	20,469	4,041	5,555		2,000	4,036		525,581	19,072
1919	2,512				1,027	17,237	4,366	6,291		7,500	1,169	2,000	516,865	18,756
1920	3,367				541	10,205	228	11,341		5,672	427		482,655	17,515
1921						12,496	3,000	7,376					321,183	11,655

Source Columns I to XXV: Cobb (1930). Column XXVI: Sum of Columns I to XXV. Column XXVII: Column XXVI converted at 80 lb/case and .000453599 tonnes/lb.

Table 146. Tierces of mild-cured salmon packed in Washington, Oregon, and California, with estimates of equivalent landed weights, 1897-1921.

	I	II	III	IV	V	VI	VII	VIII	IX	X
	Numbers of Tierces									
Year	Puget Sound	Gray's Harbor	Willipa Harbor	Columbia River	Coastal Rivers Oregon	Klamath Noyo & Eel Rivers	Sacramento River	Monterey Bay	Total	Estimated Landed Weight (tonnes)
1897				400					400	290
1898				700					700	508
1899		375		1,250					1,625	1,179
1900				1,275			950		2,225	1,615
1901	600			3,000			3,100		6,700	4,863
1902	425			4,213	188		2,325	504	7,655	5,556
1903	824			6,725			3,600	354	11,503	8,348
1904	1,250			9,088		200	4,719	248	15,505	11,253
1905	3,000			9,805	415		2,979	310	16,509	11,982
1906				8,000	740	175	2,177	510	11,602	8,420
1907	2,060	20	100	6,070	740	140	4,102	582	13,814	10,026
1908				4,960			3,243	252	8,455	6,136
1909	2,109	75	29	5,540	560	80	5,111	911	14,415	10,462
1910	2,435	67		7,922	1,398		5,516	75	17,413	12,638
1911	2,745	100	30	8,185	1,247	110	2,011	160	14,588	10,587
1912	3,013	357	40	5,824	3,082	100	3,274		15,690	11,387
1913	3,923	250	50	5,746	2,381		4,789	550	17,689	12,838
1914	1,934			5,205	457		1,829	1,476	10,901	7,911
1915	2,235			4,078	333	3	1,630	942	9,221	6,692
1916	1,755			4,656	194		650	1,069	8,324	6,041
1917	1,063			1,886			1,508	300	4,757	3,452
1918	1,093			1,804	275	455	1,913	266	5,806	4,214
1919	2,423			3,328	148	1,326	2,355	1,055	10,635	7,718
1920	2,036			2,275	102	1,463	1,345	330	7,551	5,480
1921	4,517	90		3,051	70	1,050	812	201	9,791	7,106

Source Columns I to VIII: Cobb (1930). Column IX: Sum of Columns I to VIII. Column X: Column IX converted at 1600 lb (453.6 kg) round weight/ tierce.

Table 147. Comparison of catch statistics from Reports of the United States Commisioner of Fisheries (converted to metric tonnes) to estimated catch statistics developed from product data provided by Cobb, 1930.

	I	II	III	IV	V	VI	VII	VIII	IX	X
	SOCKEYE		PINK		CHUM		COHO		CHINOOK	
Year	Cobb	Rep. U.S. Comm.	Cobb	Rep. U.S. Comm.	Cobb	Rep. U.S. Comm.	Cobb	Rep. U.S. Comm.	Cobb	Rep. U.S. Comm.
1889	646	743	102	146	42	1	271	4,855	11,766	13,407
1890	2,081	2,282	-		145	417	109	2,491	13,124	13,451
1891	763	915	205	342	112	463	521	2,289	13,232	13,327
1892	2,522	2,565	-		787	1,501	3,737	4,010	13,252	13,236
1895	3,018	3,652	858	1,030	2,747	3,446	8,032	9,967	18,220	17,415
1899	19,001	19,340	9,171	9,289	2,177	2,974	8,044	11,727	13,667	14,387
1901	44,271	29,211	-	1,199	318	2,639	1,489	5,559	5,818	10,007
1904	4,433	5,496	-		3,952	6,646	8,478	13,856	25,120	22,029
1908	6,515	5,920	220		3,074	6,332	8,564	8,684	18,012	17,853
1909	40,913	35,447	13,465	7,936	3,402	11,893	8,891	12,103	17,557	10,773
1915	3,430	2,441	21,179	13,607	19,643	8,681	10,099	10,757	24,525	21,934

Sources Column I: Column XI of Table 124. Column II: Column IX of Table 119. Column III: Column VIII of Table 125. Column IV: Column III of Table 120.

Table 148. Comparison of Washington State and IPSFC data on sockeye catches in and around Puget Sound, in numbers of fish, 1913-1983

Year	I IPSFC Estimated U.S. Catch	II Puget Sound	III WDF Puget Sound and Cape	Year	IV IPSFC Estimated U.S. Catch	V Puget Sound	VI WDF Puget Sound and Cape
1913	21,736.4	21,599.0		1949	1,056.8	908.6	1,065.8
1914	3,555.9	3,451.4		1950	1,220.9	1,217.3	1,221.7
1915	736.9	804.4		1951	1,136.8	1,128.8	1,137.7
1916	909.4	804.4		1952	1,113.5	1,113.5	1,114.6
1917	5,005.6	4,961.9		1953	2,032.4	1,961.0	2,033.0
1918	569.1	561.4		1954	4,806.3	4,757.6	4,806.9
1919	770.7	746.7		1955	1,006.6	933.7	1,008.8
1920	677.7	652.6		1956	894.8	900.1	907.7
1921	1,199.9	1,135.5		1957	1,689.3	1,688.9	1,689.5
1922	513.8	505.6		1958	5,257.3	5,254.7	5,256.2
1923	495.5	402.4		1959	1,810.7	1,807.9	1,812.7
1924	772 1	746.8		1960	1,255.2	1,190.7	1,191.8
1925	1,375.0	1,242.8		1961	1,378.4	1,377.7	1,378.7
1926	469.9	431.8		1962	758.6	754.5	755.4
1927	1,069.6	987.7		1963	1,314.0	1,314.7	1,315.2
1928	630.5	608.6		1964	514.5	508.9	509.4
1929	1,334.1	1,247.7		1965	1,026.1	1,023.0	1,023.1
1930	3,544.7	3,237.4		1966	1,337.2	1,338.5	1,338.9
1931	975.6	723.3		1967	2,086.0	2,094.8	2,095.0
1932	853.4	818.6		1968	884.0	901.0	901.2
1933	1,724.1	1,575.2		1969	1,584.0	1,628.2	1,628.7
1934	3,590.1	2,648.3		1970	1,348.0	1,362.3	1,362.7
1935	615.5	535.4	615.8	1971	2,757.6	3,062.8	3,063.1
1936	453.0	451.8	454.1	1972	1,127.4	1,144.7	1,145.0
1937	897.0	870.3	898.3	1973	2,612.4	2,675.0	2,675.5
1938	1,408.4	1,408.1	1,409.3	1974	2,460.7	2,485.3	2,485.5
1939	555.2	547.6	557.0	1975	1,560.1	1,616.6	1,617.3
1940	654.1	652.3	656.7	1976	1,321.0	1,318.5	1,319.2
1941	1,558.6	1,548.1	1,560.5	1977	1,730.8	1,839.1	1,841.6
1942	2,935.2	2,922.9	2,936.2	1978	1,360.4	1,372.9	1,374.6
1943	242.1	196.6	244.6	1979	1,769.4	1,796.9	1,798.8
1944	435.4	325.1	326.2	1980	462.3	539.5	539.7
1945	706.5	718.4	730.2	1981	1,290.3	1,304.9	1,305.7
1946	3,551.3	3,099.7	3,553.0	1982	2,866.0	2,868.2	2,868.5
1947	88.2	76.2	90.1	1983	372.0	399.9	
1948	1,089.1	922.3	1,089.8				

Sources Column I: ISPFC Ann. Rept. for 1979-1982. Column II: 1913-1974, Wash. Dept. Fish. Stat. Rept. for 1974, p 47; 1975-1982, Wash. Dept. Fish. Stat. Rept. for 1982, p 32. Column III: 1933-1974, Wash. Dept. Fish. Stat. Rept. for 1974, p 49; 1975-1982: Wash. Dept. Fish. Stat. Rept. for 1982, p 32. (Combined Puget Sound and "All Troll" catch).

Table 149. United States sockeye catches in the Juan de Fuca and outer Puget Sound area and estimates of interceptions by United States fishermen, of sockeye salmon bound for Canadian rivers, in numbers of fish, 1891-1966.

	I	II	III		IV	V
Year	Pack (cases)	Estimated U.S. Catch	Inter-ceptions	Year	Estimated U.S. Catch	Inter-ceptions
1891	5.5	72.3	71.6	1929	1,334.1	1,318.1
1892	3.0	38.6	36.2	1930	3,544.7	3,528.7
1893	47.9	624.7	618.5	1931	975.6	959.6
1894	41.8	545.4	540.0	1932	853.4	837.4
1895	65.1	850.4	841.9	1933	1,724.1	1,708.1
1896	73.0	952.7	943.2	1934	3,590.1	3,574.1
1897	312.0	4,073.7	4,057.7	1935	615.5	599.5
1898	252.0	3,289.8	3,273.8	1936	453.0	437.0
1899	499.6	6,522.8	6,506.8	1937	897.0	881.0
1900	229.8	3,000.0	2,984.0	1938	1,408.4	1,392.4
1901		13,694.0	13,678.0	1939	555.2	539.2
1902		4,001.7	3,985.7	1940	654.1	638.1
1903		1,911.1	1,895.1	1941	1,558.6	1,542.6
1904		1,506.1	1,490.1	1942	2,935.2	2,919.2
1905		10,330.3	10,314.3	1943	242.1	226.1
1906		2,030.6	2,014.6	1944	435.4	419.4
1907		1,030.4	1,014.4	1945	706.5	690.5
1908		1,879.3	1,863.3	1946	3,551.3	3,535.3
1909		13,665.0	13,649.0	1947	88.2	72.2
1910		2,765.7	2,749.7	1948	1,089.1	1,073.1
1911		1,447.9	1,431.9	1949	1,056.8	1,040.8
1912		2,005.9	1,989.9	1950	1,220.9	1,204.9
1913		21,736.4	21,720.4	1951	1,136.8	1,120.8
1914		3,555.9	3,539.9	1952	1,113.5	1,097.5
1915		736.9	720.9	1953	2,032.4	2,016.4
1916		909.4	893.4	1954	4,806.3	4,790.3
1917		5,005.6	4,989.6	1955	1,006.6	990.6
1918		569.1	553.1	1956	894.8	878.8
1919		778.7	762.7	1957	1,689.3	1,673.3
1920		677.7	661.7	1958	5,257.3	5,241.3
1921		1,199.9	1,183.9	1959	1,810.7	1,794.7
1922		513.8	497.8	1960	1,255.2	1,239.2
1923		495.5	479.5	1961	1,378.4	1,362.4
1924		772.1	756.1	1962	758.6	742.6
1925		1,375.0	1,359.0	1963	1,314.0	1,298.0
1926		469.9	453.9	1964	514.5	498.5
1927		1,069.6	1,053.6	1965	1,026.1	1,010.1
1928		630.5	614.5	1966	1,337.2	1,321.2

Sources Column I: Cobb (1930), p 556. Column II: 1891-1900, Converted from Column I pack figures at 80 lb/case and 6.128 lb/fish (Killick and Clemens, 1963); 1901-1966, ISPFC Ann. Repts. (1979-1982). Column III: 1891-1896, Assuming 99% of catch consisted of sockeye bound for Canada; 1897-1966, Assuming that all but 16,000 fish consisted of sockeye bound for Canada.

Table 150. Estimated interceptions in the Columbia River by United States fishermen, of sockeye salmon bound for Canadian tributaries, in numbers of fish, 1889-1982.

	I	II	III	IV	V	VI	VII	VIII
	From Washington Dept. Fisheries			From Davidson (1966)		From McDonald (1895)	Estimated Interceptions (50%)	
Year	Number	Weight (lb)	Estimated Weight lb/fish	Weight (lb)	Estimated Numbers	Weight (lb)	Numbers	Weight (tonnes)
1889				1,210,196	323,582	1,598,667	161,791	274
1890				3,899,460	1,042,636	4,982,255	521,318	884
1891				1,052,776	281,491	1,433,635	140,745	239
1892				4,525,196	1,209,945	5,322,814	604,973	1,026
1893				2,071,212	553,800		276,900	470
1894				2,979,352	796,618		398,309	676
1895				1,225,020	327,545		163,773	278
1896				1,154,844	308,782		154,391	262
1897				882,096	235,855		117,927	200
1898				4,533,560	1,212,182		606,091	1,028
1899				1,629,892	435,800		217,900	370
1900				895,016	239,309		119,655	203
1901				1,474,274	394,191		197,095	334
1902				1,158,516	309,764		154,882	263
1903				570,044	152,418		76,209	129
1904				877,948	234,745		117,373	199
1905				528,224	141,236		70,618	120
1906				531,488	142,109		71,055	121
1907				374,272	100,073		50,036	85
1908				583,508	156,018		78,009	132
1909				1,704,216	455,673		227,836	387
1910				423,912	113,345		56,673	96
1911				407,184	108,873		54,436	92
1912				558,280	149,273		74,636	127
1913				758,336	202,764		101,382	172
1914				2,041,148	545,761		272,881	463
1915				371,212	99,255		49,627	84
1916				257,720	68,909		34,455	58
1917				541,824	144,873		72,436	123
1918				2,572,644	687,873		343,936	583
1919				494,224	132,145		66,073	112
1920				177,956	47,582		23,791	40
1921				411,060	109,909		54,955	93
1922				2,090,524	558,964		279,482	474
1923				2,605,012	696,527		348,264	591
1924				500,888	133,927		66,964	114
1925				384,200	102,727		51,364	87
1926				1,478,048	395,200		197,600	335
1927				468,316	125,218		62,609	106
1928				327,352	87,527		43,764	74
1929				684,986	183,151		91,576	155
1930				667,964	178,600		89,300	151
1931				280,500	75,000		37,500	64
1932				190,060	50,818		25,409	43
1933				470,628	125,836		62,918	107
1934				467,092	124,891		62,445	106
1935	15,894	63,576	4.00	88,536	23,673		11,836	20
1936	75,566	301,494	3.99	668,916	178,855		89,427	152
1937	83,660	335,066	4.01	335,066	89,590		41,830	76
1938	106,154	424,583	4.00	424,583	113,525		53,077	96
1939	67,484	269,938	4.00	269,938	72,176		33,742	61

Continued...

Table 150. Continued.

	I	II	III	IV	V	VI	VII	VIII
	From Washington Dept. Fisheries			From Davidson (1966)		From McDonald (1895)	Estimated Interceptions (50%)	
Year	Number	Weight (lb)	Estimated Weight lb/fish	Weight (lb)	Estimated Numbers	Weight (lb)	Numbers	Weight (tonnes)
1941	126,468	505,872	4.00	505,872	135,260		63,234	115
1942	48,106	192,423	4.00	192,423	51,450		24,053	44
1943	36,521	146,084	4.00	146,084	39,060		18,261	33
1944	13,689	54,754	4.00	54,754	14,640		6,845	12
1945	2,174	8,693	4.00	8,693	2,324		1,087	2
1946	32,138	128,515	4.00	128,515	34,362		16,069	29
1947	179,584	718,334	4.00	718,334	192,068		89,792	163
1948	23,963	95,854	4.00	95,854	25,629		11,982	22
1949	5,994	23,975	4.00	23,975	6,410		2,997	5
1950	42,291	169,163	4.00	169,163	45,231		21,146	38
1951	42,367	169,466	4.00	169,466	45,312		21,184	38
1952	152,144	608,654	4.00	608,654	162,742		76,072	138
1953	36,790	146,193	3.97	146,193	39,089		18,395	33
1954	66,900	241,377	3.61	241,377	64,539		33,450	55
1955	64,063	203,442	3.18	203,442	54,396		32,032	46
1956	90,673	297,876	3.29	2[illegible],876	79,646		45,337	68
1957	71,444	250,647	3.51	250,647	67,018		35,722	57
1958	193,438	725,632	3.75	725,632	194,019		96,719	165
1959	182,812	645,880	3.53	645,880	172,695		91,406	146
1960	114,027	396,550	3.48	396,550	106,029		57,014	90
1961	39,161	158,644	4.05	158,644	42,418		19,581	36
1962	13,804	52,602	3.81	52,602	14,065		6,902	12
1963	13,544	49,299	3.64	49,299	13,182		6,772	11
1964	19,274	68,797	3.57	68,797	18,395		9,637	16
1965	3,654	23,829	6.52	22,675	6,063		1,827	5
1966	20,159	72,151	3.58				10,080	16
1967	62,084	224,268	3.61				31,042	51
1968	27,585	93,316	3.38				13,793	21
1969	27,493	105,494	3.84				13,747	24
1970	5,131	16,387	3.19				2,566	4
1971	75,560	289,682	3.83				37,780	66
1972	79,228	279,712	3.53				39,614	63
1973	4,992	18,925	3.79				2,496	4
1974	899	3,154	3.51				450	1
1975	15	40					8	<0.5
1976	20	84					10	<0.5
1977	6	22					3	<0.5
1978	25	92					12	<0.5
1979	1	4					1	<0.5
1980	13	48					7	<0.5
1981	8	25					4	<0.5
1982	0	0					0	0
	1953-1974 Average:		3.74					

Sources Columns I & II: Wash. State Dept. Fish. Stat. Rept. for 1982 (p 34). For 1977 and 1978 poundages equivalent to .01 and .04 tonnes respectively (catches by Oregon recorded in INPFC Stat. Yearbooks for 1977 and 1978) added to totals for Washington State and converted to numbers of fish at 3.74 lb/fish (Average weight for 1953-1974 when independant number and weight data were available). Column III: Column I divided by Column II. Column IV: Davidson (1966), Table 1. (Data for 1901 lacking; catch estimated as average of 1900 & 1902.) Column V: Column IV converted at 3.74 lb/fish. Column VI: McDonald (1895), Tables C-F. Column VII: 1889-1936, 50% of Column V; 1937-1982, 50% of Column I. Column VIII: 1889-1936, 50% of Column IV; 1937-1982, 50% of Column II. (Converted from pounds at .00454 tonnes/pound).

Table 151. Pink salmon catches and estimates of interceptions by United States fishermen in Washington State of pink salmon bound for the Canadian rivers.

	I	II	III	IV
Year	Total "Puget Sound" Catch	Total Washington Catch	Inter- ception Rate (%)	Inter- ceptions
1889	39,082		89.9	35,134
1891	78,567		89.9	70,632
1893	243,896		89.9	219,262
1895	328,807		89.9	295,597
1897	796,772		89.9	716,298
1899	3,516,285		89.9	3,161,140
1901	-		89.9	-
1903	2,522,797		89.9	2,267,994
1905	987,715		89.9	887,956
1907	6,030,233		89.9	5,421,180
1909	5,161,642		89.9	4,640,316
1911	14,566,845		89.9	13,095,594
1913	15,907,710		89.9	14,301,031
1915	7,368,713		89.9	6,624,473
1917	13,345,280		89.9	11,997,407
1919	4,667,820		89.9	4,196,370
1921	4,401,516		75.1	3,305,539
1923	5,534,086		75.1	4,156,099
1925	6,665,345		75.1	5,005,674
1927	6,526,034		75.1	4,901,052
1929	7,432,802		75.1	5,582,034
1931	8,131,922		75.1	6,107,073
1933	6,039,870		75.1	4,535,942
1935	4,993,613	5,824,689		5,695,533
1937	4,167,791	5,086,288		3,993,443
1939	3,945,844	4,067,180		2,661,312
1941	1,451,640	2,021,027		1,439,714
1943	757,176	972,944		583,601
1945	5,768,811	5,895,111		4,670,314
1947	9,273,596	9,372,326		8,252,068
1949	6,754,592	7,604,529		5,276,268
1951	5,392,848	5,699,618		4,856,719
1953	5,359,585	6,052,519		4,097,932
1955	3,837,862	5,207,548		4,222,532
1957	2,986,258	3,183,773		2,558,597
1959	2,427,036	2,616,384		2,308,307
1961	688,213	753,412		404,051
1963	5,671,717	6,301,706		1,635,341
1965	624,177	729,052		442,568
1967	3,696,657	4,077,242		4,039,800
1969	942,178	1,001,575		993,500
1971	2,478,439	2,499,050		2,329,800
1973	2,363,299	2,418,731		2,190,600
1975	1,330,284	1,407,508		1,272,100
1977	2,035,317	2,322,336		2,324,100
1979	4,150,786	4,707,688		4,102,600
1981	3,899,957	4,135,912		3,381,300
Avg. 1911-17:	12,797,137			
Avg. 1919-57:	5,204,451			

Sources Column I: 1889-1911, Column II of Table 153; 1913-1973, Wash. Dept. Fish. Stat. Rept. for 1974, p 47; 1975-1981, Wash. Dept. Fish. Stat. Rept. for 1982, p 35. Column II: Wash. Dept. Fish. Fish. Stat. Rept. for 1982, p 23. Column IV: 1889-1933, Percentage in Column III applied to Column II; 1935-1957, From Table 153; 1959, Vernon et al (1964), Table 79; 1961, Hourston et al (1965), Table 32; 1963-1965, ISPFC Ann. Rept. for 1965, p 23; 1967-1981, Fletcher (1984).

Table 152. Catches of pink salmon in portions of inner Puget Sound and estimates of interceptions by United States fishermen in Washington State of pink salmon bound for Canadian rivers, 1935-1957.

	I	II	III	IV	V	VI	VII
Year	Total Wash. Catch	West Beach	Inner Puget Sound	Total	Total Catch of Puget Sound Bound Pinks	Estimated Interceptions of Canada Bound Pinks	Percent Inter-ceptions
1935	5,824,689	3,626	93,887	97,513	129,156	5,695,533	97.8
1937	5,086,288	353,098	472,000	825,098	1,092,845	3,993,443	78.5
1939	4,067,180	301,618	759,812	1,061,430	1,405,868	2,661,312	65.4
1941	2,021,027	141,011	297,880	438,891	581,313	1,439,714	71.2
1943	972,944	86,990	206,964	293,954	389,343	583,601	60.0
1945	5,895,111	491,378	433,344	924,722	1,224,797	4,670,314	79.2
1947	9,372,326	265,557	580,238	845,795	1,120,258	8,252,068	88.0
1949	7,604,529	401,867	1,355,970	1,757,837	2,328,261	5,276,268	69.4
1951	5,699,618	122,176	514,213	636,389	842,899	4,856,719	85.2
1953	6,052,519	427,114	1,048,599	1,475,713	1,954,587	4,097,932	67.7
1955	5,207,548	264,412	479,275	743,687	985,016	4,222,532	81.1
1957	3,183,773	105,397	366,611	472,008	625,176	2,558,597	80.4
						1937-1957 Average:	75.1

Sources Column I: Wash. Dept. Fish. Stat. Rept. Stat. Rept. for 1974, p 26. Column II & III: IPSFC Ann. Rept. for 1963, p 24. Column IV: Sum of Columns II & III. Column V: Column IV divided by 0.755 (Assuming that combined West Beach and Inner Puget Sound catch was equivalent to 75.5% of the total United States catch of pink salmon bound for Puget Sound rivers - see text). Column VI: Column I minus Column V. Column VII: Column VI as a percent of Column I.

Table 153. Estimated catches of pink, chum, coho and chinook salmon in Puget Sound waters, 1889-1912.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI
	Pink		Chum		Coho		Chinook				
Year	Cases	Numbers	Cases	Numbers	Cases	Numbers	Cases	Numbers	Tierces	Numbers	Total
1889	2,809	39,082	1,145	9,069	7,480	68,624	240	969			969
1890			4,000	31,683	3,000	27,523	1,000	4,036			4,036
1891	5,647	78,567	3,093	24,499	5,869	53,844	382	1,542			1,542
1892			16,180	128,158	7,206	66,110	86	347			347
1893	17,530	243,896	11,380	90,139	11,812	108,367	1,200	4,844			4,844
1894	9,049	125,899	22,152	175,461	22,418	205,670	-	-			-
1895	23,633	328,807	38,785	307,208	50,865	466,651	1,542	6,224			6,224
1896			26,550	210,297	82,640	758,165	13,495	54,470			54,470
1897	57,268	796,772	23,310	184,634	91,900	843,119	9,500	38,345			38,345
1898			38,400	304,158	98,600	904,587	11,200	45,207			45,207
1899	252,733	3,516,285	31,481	249,354	111,387	1,021,899	24,364	98,341			98,341
1900			89,100	705,743	128,200	1,176,147	22,350	90,212			90,212
1901	NA	-	NA	-	NA	-	NA	-	600	48,411	48,411
1902			93,492	740,531	85,817	787,312	30,049	121,288	425	34,291	155,579
1903	181,326	2,522,797	12,001	95,057	103,450	949,083	14,500	58,527	824	66,485	125,012
1904			49,656	393,315	118,127	1,083,734	14,441	58,259	1,250	100,857	159,116
1905	70,992	987,715	41,057	325,204	79,335	727,844	1,804	7,282	3,000	242,057	249,339
1906			149,218	1,181,925	94,497	866,945	8,139	32,852	-	-	32,852
1907	433,423	6,030,233	50,249	398,012	119,472	1,096,073	1,814	7,322	2,060	166,213	173,535
1908	6,075	84,522	47,007	372,333	128,922	1,182,771	95,210	384,299	-	-	384,299
1909	370,993	5,161,642	53,688	425,251	143,133	1,313,147	13,019	52,549	2,109	170,166	222,715
1910	108	1,503	146,942	1,163,897	162,755	1,493,165	10,064	40,622	2,435	196,470	237,092
1911	1,046,992	14,566,845	98,321	778,780	256,123	2,349,752	21,823	88,085	2,745	221,483	309,567
1912	700	9,739	60,760	481,267	149,727	1,373,642	20,252	81,744	3,013	243,106	324,850

Sources Columns I,III,V and VII: From Cobb (1930), pp 556,557 and 594. Columns II,IV,VI,VIII and X: Converted from previous columns at 80 lb/case, 1600 lb/tierce and average weights from Table 155. Column XI: Sum of Columns VIII and X.

Table 154. Estimated average weights of pink, chum, coho and chinook salmon caught in Washington State waters.

	PINK				CHUM			
Year	Total Wash Numbers	Total Wash Weights	Average Weight (lbs)	Average Weight (kg)	Total Wash Numbers	Total Wash Weights	Average Weight (lbs)	Average Weight (kg)
1935	5,824,689	33,491,709	5.75	2.61	844,034	8,459,765	10.02	4.55
1936					1,036,734	10,432,940	10.06	4.56
1937	5,086,288	29,245,541	5.75	2.61	982,536	9,808,397	9.98	4.53
1938					1,008,660	10,082,315	10.00	4.53
1939	4,067,180	23,384,353	5.75	2.61	441,186	4,395,302	9.96	4.52
1940					741,179	8,004,136	10.80	4.90
1941	2,021,027	11,620,796	5.75	2.61	1,183,723	11,883,161	10.04	4.55
1942					1,197,274	11,958,907	9.99	4.53
1943	972,944	5,594,399	5.75	2.61	562,982	5,664,102	10.06	4.56
1944					396,248	3,992,444	10.08	4.57
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	1935-1943 Average:		5.75	2.61	1935-1944 Average:		10.10	4.58

	COHO				CHINOOK			
Year	Total Wash. Numbers	Total Wash. Weights	Average Weight (lbs)	Average Weight (kg)	Total Wash. Numbers	Total Wash. Weights	Average Weight (lbs)	Average Weight (kg)
1935	1,902,043	16,639,528	8.75	3.97	563,084	11,001,443	19.54	8.86
1936	1,118,497	9,483,520	8.48	3.85	610,340	11,986,116	19.64	8.91
1937	1,069,437	9,145,837	8.55	3.88	652,398	12,670,583	19.42	8.81
1938	860,203	8,030,148	9.34	4.23	434,699	8,627,258	19.85	9.00
1939	1,225,531	10,897,955	8.89	4.03	468,545	9,360,000	19.98	9.06
1940	1,070,919	9,420,882	8.80	3.99	588,119	11,858,007	20.16	9.15
1941	1,255,930	10,172,652	8.10	3.67	656,811	13,690,358	20.84	9.45
1942	588,607	5,038,932	8.56	3.88	607,716	11,896,272	19.58	8.88
1943	870,974	7,126,012	8.18	3.71	487,020	9,351,996	19.20	8.71
1944	698,634	6,672,036	9.55	4.33	497,234	9,966,273	20.04	9.09
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	1935-1944 Average:		8.72	3.96	1935-1944 Average:		19.82	8.99

Source Number and weight data - Wash. Dept. Fish. Stat. Rept. for 1982, pp 23 and 28.

Table 155. Estimated interceptions in Washington by United States net fisheries of chum salmon bound for the rivers of British Columbia, in numbers of fish, 1950-1966.

	I	II	III	IV	V	VI	VII	VIII	X
	1-Point Roberts		1-San Juan Is.		1-West Beach		2-Outer Straits		Total Inter-ceptions
Year	Catch	Int.(95%)	Catch	Int.(85%)	Catch	Int.(85%)	Catch	Int.(80%)	
1950	71,058	67,505	113,763	96,699	107,358	91,254	2,491	1,993	257,451
1951	72,246	68,634	48,125	40,906	100,147	85,125	-		194,665
1952	78,763	74,825	60,941	51,800	112,169	95,344	-		221,968
1953	19,126	18,170	29,578	25,141	35,135	29,865	-		73,176
1954	37,070	35,217	24,711	21,004	30,361	25,807	-		82,028
1955	30,632	29,100	34,892	29,658	16,284	13,841	-		72,600
1956	11,040	10,488	15,797	13,427	4,700	3,995	-		27,910
1957	5,676	5,392	1,448	1,231	4,489	3,816	151	121	10,559
1958	22,847	21,705	26,838	22,812	43,934	37,344	2,157	1,726	83,586
1959	26,464	25,141	29,963	25,469	36,318	30,870	3,111	2,489	83,968
1960	19,683	18,699	6,733	5,723	8,475	7,204	575	460	32,086
1961	11,203	10,643	10,164	8,639	5,172	4,396	62	50	23,728
1962	5,531	5,254	6,695	5,691	4,740	4,029	102	82	15,056
1963	7,269	6,906	5,798	4,928	10,854	9,226	1,126	901	21,961
1964	8,665	8,232	6,304	5,358	6,680	5,678	1,365	1,092	20,360
1965	3,166	3,008	4,892	4,158	1,427	1,213	630	504	8,803
1966	9,010	8,560	3,484	2,961	2,158	1,834	676	541	13,896

Sources Catch data: Wash. Dept. Fish. "Cumulative Take" Sheets for 1959-1966.
Interception percentages: Rept. Tech. Comm. on Salmon Interceptions, 1972-1980.

Table 156. Estimated interceptions in Washington by the United States net fishery of coho salmon bound for the rivers of British Columbia, in numbers of fish, 1951-1966.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI
	1-Point Roberts		1-San Juan Is.		1-West Beach		2-Outer Straits		Inside Puget Sd.		Total Interceptions
Year	Catch	Int.(90%)	Catch	Int.(80%)	Catch	Int.(25%)	Catch	Int.(35%)	Catch	Int.(1%)	
1951	89,902	80,912	157,649	126,119	26,544	6,636	-	-	139,280	1,393	215,060
1952	116,159	104,543	170,782	136,626	55,559	13,890	-	-	277,106	2,771	257,830
1953	60,738	54,664	85,434	68,347	27,043	6,761	-	-	156,877	1,569	131,341
1954	56,515	50,864	42,966	34,373	5,627	1,407	-	-	98,153	982	87,625
1961	32,055	28,850	45,667	36,534	33,111	8,278	25,680	8,988	214,610	2,146	84,795
1962	58,621	52,759	66,001	52,801	24,411	6,103	8,081	2,828	211,315	2,113	116,604
1963	35,122	31,610	34,002	27,202	24,772	6,193	11,494	4,023	107,771	1,078	70,105
1964	67,015	60,314	84,751	67,801	25,080	6,270	31,980	11,193	168,696	1,687	147,264
1965	43,583	39,225	54,091	43,273	24,714	6,179	33,616	11,766	227,979	2,280	102,721
1966	94,908	85,417	113,480	90,784	54,752	13,688	33,946	11,881	322,468	3,225	204,995

Sources Catch data: Wash. Dept. Fish. "Cumulative Take" Rept. for 1951-1954 and 1961-1966.
Interception percentages: Rept. Tech. Comm. on Salmon Interceptions, 1972-1980.

Table 157. Estimated interceptions in Washington and Oregon by the United States troll fishery of coho salmon bound for the rivers of British Columbia, in numbers of fish, 1960-1966.

	I	II	III	IV	V	VI	VII	VIII
	Area 2		Area 3		Area 4-6		Area 7-8	
Year	Catch	Int.(95%)	Catch	Int.(90%)	Catch	Int.(45%)	Catch	Int.(35%)
1960	10,199	9,689	940	846	21,858	9,836	21,440	7,507
1961	8,847	8,405	1,495	1,346	119,871	53,942	92,616	32,416
1962	3,702	3,517	174	157	100,422	45,190	74,003	25,901
1963	6,838	6,496	4,796	4,316	105,582	47,512	76,147	26,651
1964	11,990	11,391	2,008	1,807	82,267	37,020	122,070	42,725
1965	4,580	4,351	941	847	94,018	42,308	159,671	55,885
1966	5,791	5,501	3,109	2,798	83,935	37,771	77,848	27,247

	XI	XII	XIII	XIV	XV	XVI	XVIII
	Area 10		Area 11-12		Area 13-15 & Oregon		Total Inter-ceptions
Year	Catch	Int.(25%)	Catch	Int.(7%)	Catch	Int.(1%)	
1960	8,194	2,049	87,823	6,148	112,694	1,127	46,196
1961	19,292	4,823	200,386	14,027	330,115	3,301	147,738
1962	91,966	22,992	229,774	16,084	294,764	2,948	156,347
1963	33,321	8,330	199,755	13,983	459,302	4,593	164,186
1964	24,370	6,093	212,199	14,854	562,764	5,628	162,390
1965	20,786	5,197	444,247	31,097	680,968	6,810	215,940
1966	75,806	18,952	279,033	19,532	647,869	6,479	225,740

Sources Catch data: Washington - Wright and Brix (1972), Table 3. Oregon - Unpublished data.
Interception percentages: Rept. Tech. Comm. on Salmon Interceptions, 1972-1980.

Table 158. Estimated interceptions in Washington by the United States net fishery of chinook salmon bound for the rivers of British Columbia, in numbers of fish, 1960-1966.

	I	II	III	IV	V	VI	VII	VIII	X
	1-Point Roberts		1-San Juan Is.		1-West Beach		2-Outer Straits		Total Inter-ceptions
Year	Catch	Int.(80%)	Catch	Int.(80%)	Catch	Int.(80%)	Catch	Int.(25%)	
1960	13,487	10,790	5,514	4,411	4,436	3,549	299	75	18,824
1961	10,041	8,033	7,009	5,607	4,261	3,409	579	145	17,194
1962	6,244	4,995	3,657	2,926	3,444	2,755	96	24	10,700
1963	13,910	11,128	7,666	6,133	10,335	8,268	416	104	25,633
1964	15,832	12,666	5,280	4,224	5,312	4,250	489	122	21,261
1965	15,258	12,206	6,392	5,114	10,209	8,167	685	171	25,658
1966	21,267	17,014	8,883	7,106	11,321	9,057	709	177	33,354

Sources Catch Data: Wash. Dept. Fish. "Cumulative Take" Rept. for 1951-1954 and 1961-1966.
Interception percentages: Rept. Tech. Comm. on Salmon Interceptions, 1972-1980.

Table 159. Estimated interceptions in Washington and Oregon by the United States troll fishery of chinook salmon bound for the rivers of British Columbia, in numbers of fish, 1960-1966.

	I	II	III	IV	V	VI	VII	VIII
	Area 1		Area 2		Area 3		Area 4-6	
Year	Catch	Int.(40%)	Catch	Int.(50%)	Catch	Int.(60%)	Catch	Int.(25%)
1960			3,473	1,737	762	457	33,928	8,482
1961			2,702	1,391	573	344	39,828	9,957
1962			2,146	1,073	363	218	46,298	11,575
1963			1,532	766	592	355	49,232	12,308
1964	224	90	2,481	1,241	294	176	27,498	6,875
1965	56	22	1,446	723	209	125	12,386	3,097
1966			2,540	1,270	1,121	673	24,629	6,157

	IX	X	XI	XII	XIII
	Area 7		Area 8		Total Inter-
Year	Catch	Int.(35%)	Catch	Int.(20%)	ceptions
1960	573	201	7,144	1,429	12,305
1961	3,763	1,317	19,982	3,996	17,005
1962	365	128	12,590	2,518	15,511
1963	916	321	15,373	3,075	16,824
1964	844	295	20,715	4,143	12,819
1965	670	235	9,120	1,824	6,026
1966	976	342	16,904	3,381	11,822

Sources: Washington catches: Wright and Brix (1972), Table 2.
Interception percentages: Rept. Tech. Comm. on Salmon Interceptions, 1972-1980.

Table 160. Net catches and estimates of interceptions of chum, coho, and chinook salmon in the Puget Sound Area, inside Cape Flattery, in numbers of fish, 1950-1966.

	I	II	IV
Year	Total Catch	Inter-ceptions	Percent
CHUM			
1950	886,559	257,451	29.04
1951	796,293	194,665	24.45
1952	772,807	221,968	28.72
1953	346,293	73,176	21.13
1954	422,700	82,020	19.40
1955	212,360	72,600	34.19
1956	105,346	27,910	26.49
1957	103,495	10,559	10.20
1958	420,903	83,586	19.86
1959	361,095	83,968	23.25
1960	135,017	32,086	23.76
1961	133,243	23,728	17.81
1962	173,681	15,056	8.67
1963	295,362	21,961	7.44
1964	247,345	20,360	8.23
1965	191,604	8,883	4.63
1966	404,462	13,896	3.44
		Average 1950-60:	23.68
COHO			
1951	423,324	215,060	50.80
1952	653,610	257,830	39.45
1953	341,518	131,341	38.46
1954	214,394	87,625	40.87
1961	384,177	84,795	22.07
1962	414,208	116,604	28.15
1963	232,822	70,105	30.11
1964	401,763	147,264	36.65
1965	405,060	102,721	25.36
1966	634,583	204,995	32.30
		Average 1951-54:	42.39
CHINOOK			
1960	64,719	18,824	29.09
1961	81,084	17,194	21.20
1962	48,207	10,700	22.20
1963	94,007	25,633	27.27
1964	75,202	21,261	28.27
1965	96,297	25,658	26.65
1966	102,852	33,354	32.43
		Average 1960-64:	25.61

Sources Catch data: Wash. Dept. Fish. Stat. Rept. for 1974, pp 50,52 and 54.
Interceptions: From Tables 155, 156 and 158.

Table 161. Estimated interceptions in Washington by United States fishermen of chum salmon bound for the rivers of British Columbia, in numbers of fish, 1889-1949.

	I	II	III	IV	V	VI
	Inside Cape Flattery		Outside Cape Flattery		% Net Interceptions of Inside & Outside Catches	Total Commercial Inter-ceptions
Year	Catch	Inter-ceptions	Catch	Inter-ceptions (80%)		
1889	9,069	2,158				2,158
1890	31,683	7,541				7,541
1891	24,499	5,831				5,831
1892	128,158	30,502				30,502
1893	90,139	21,453				21,453
1894	175,461	41,760				41,760
1895	307,208	73,115				73,115
1896	210,297	50,051				50,051
1897	184,634	43,943				43,943
1898	304,158	72,390				72,390
1899	249,354	59,346				59,346
1900	705,743	167,967				167,967
1901	NA	NA				NA
1902	740,531	176,246				176,246
1903	95,057	22,624				22,624
1904	393,315	93,609				93,609
1905	325,204	77,399				77,399
1906	1,181,925	281,298				281,298
1907	398,012	94,727				94,727
1908	372,333	88,615				88,615
1909	425,251	101,210				101,210
1910	1,163,897	277,007				277,007
1911	778,780	185,350				185,350
1912	481,267	114,542				114,542
1913	604,857	143,956				143,956
1914	1,686,137	401,301				401,301
1915	1,884,144	448,426				448,426
1916	1,884,147	448,427				448,427
1917	1,095,015	260,614				260,614
1918	1,156,571	275,264				275,264
1919	1,475,091	351,072				351,072
1920	683,070	162,571				162,571
1921	270,193	64,306				64,306
1922	502,230	119,531				119,531
1923	637,882	151,816				151,816
1924	859,983	204,676				204,676
1925	534,812	127,285				127,285
1926	1,063,695	253,159				253,159
1927	526,868	125,395				125,395
1928	1,044,101	248,496				248,496
1929	1,486,434	353,771				353,771
1930	1,011,360	240,704				240,704

Continued ...

Table 161. Continued.

	I	II	III	IV	V	VI
	Inside Cape Flattery		Outside Cape Flattery			
Year	Catch	Inter-ceptions	Catch	Inter-ceptions (80%)	% Net Interceptions of Inside & Outside Catches	Total Commercial Inter-ceptions
1931	682,495	162,434				162,434
1932	1,092,309	259,970				259,970
1933	504,139	119,985				119,985
1934	866,829	206,305				206,305
1935	718,647	170,319	83	66	23.7	170,386
1936	783,361	185,657	714	571	23.8	186,228
1937	774,195	183,484	150	120	23.7	183,604
1938	802,177	190,116			23.7	190,116
1939	331,350	78,530	16	13	23.7	78,543
1940	565,033	133,913	162	130	23.7	134,042
1941	672,715	159,433	18	14	23.7	159,448
1942	643,976	152,622			23.7	152,622
1943	396,191	93,897	49	39	23.7	93,936
1944	320,271	75,904	423	338	23.8	76,243
1945	421,096	99,800			23.7	99,800
1946	1,250,821	296,445			23.7	296,445
1947	595,104	141,040	4	3	23.7	141,043
1948	940,771	222,963			23.7	222,963
1949	439,933	104,264	47	38	23.7	104,302

Sources Catch data: Wash. Dept. Fish. Sta. Rept. for 1974, p. 54
Interception rates: See text.

Table 162. Estimated interceptions in Washington State by United States fishermen of coho salmon bound for the rivers of British Columbia, in numbers of fish, 1889-1960.

	I	II	III	IV	V	VI	VII	VIII	IX
	Troll		Net						
Year	Total Catch	Interceptions (14.7%)	Inside Cape Flattery Catch	Interceptions (42.4%)	Outside Cape Flattery Catch	Interceptions (35%)	Total Net Interceptions	% Interceptions of total Net Catch	Total Commercial Interceptions
1889			68,624				27,450		27,450
1890			27,523				11,009		11,009
1891			53,844				21,538		21,538
1892			66,110				26,444		26,444
1893			108,367				43,347		43,347
1894			205,670				82,268		82,268
1895			466,651				186,661		186,661
1896			758,165				303,266		303,266
1897			843,119				337,248		337,248
1898			904,587				361,835		361,835
1899			1,021,899				408,760		408,760
1900			1,176,147				470,459		470,459
1901			-				-		-
1902			787,312				314,925		314,925
1903			949,083				379,633		379,633
1904			1,083,734				433,494		433,494
1905			727,844				291,138		291,138
1906			866,780				346,712		346,712
1907			1,096,073				438,429		438,429
1908			1,182,771				473,108		473,108
1909			1,313,147				525,259		525,259
1910			1,493,349				597,339		597,339
1911			2,349,752				939,901		939,901
1912			1,373,642				549,457		549,457
1913			1,225,115				490,046		490,046
1914			1,499,306				599,722		599,722
1915			1,108,896				443,558		443,558
1916			1,108,898				443,559		443,559
1917			936,242				374,497		374,497
1918			1,637,525				655,010		655,010
1919			1,363,153				545,261		545,261
1920			569,505				227,802		227,802
1921			762,221				304,888		304,888
1922			892,360				356,944		356,944
1923			887,471				354,988		354,988
1924			946,720				378,688		378,688
1925			869,013				347,605		347,605
1926	347,269	51,049	703,292				281,317		332,365
1927	423,491	62,253	1,028,815				411,526		473,779
1928	357,849	52,604	760,697				304,279		356,883
1929	348,357	51,208	806,971				322,788		373,997
1930	370,629	54,482	574,944				229,978		284,460
1931	274,471	40,347	512,867				205,147		245,494
1932	285,143	41,916	457,204				182,882		224,798
1933	181,451	26,673	535,978				214,391		241,064
1934	274,513	40,353	451,176				180,470		220,824

Table 162. Continued

	I	II	III	IV	V	VI	VII	VIII	IX
	Troll		Net						
Year	Total Catch	Inter- ceptions (14.7%)	Inside Cape Flattery Catch	Inter- ceptions (42.4%)	Outside Cape Flattery Catch	Inter- ceptions (35%)	Total Net Inter- ceptions	% Inter- ceptions of total Net Catch	Total Commercial Inter- ceptions
1935	675,458	99,292	577,401	244,760	436,943	152,930	397,690	39.2	496,983
1936	507,286	74,571	246,895	104,659	212,202	74,271	178,929	39.0	253,501
1937	347,208	51,040	347,858	147,457	260,805	91,282	238,739	39.2	289,778
1938	360,773	53,034	321,215	136,163	4,833	1,692	137,855	42.3	190,888
1939	503,243	73,977	358,619	152,019	204,526	71,584	223,603	39.7	297,579
1940	551,889	81,128	260,793	110,550	127,551	44,643	155,193	40.0	236,321
1941	533,545	78,431	275,514	116,790	326,981	114,443	231,234	38.4	309,665
1942	302,985	44,539	180,147	76,364	32,386	11,335	87,699	41.3	132,238
1943	280,512	41,235	217,745	92,302	275,661	96,481	188,783	38.3	230,019
1944	253,071	37,201	299,060	126,772	1,394	488	127,259	42.4	164,461
1945	363,416	53,422	378,946	160,635	121,536	42,538	203,173	40.6	256,595
1946	270,261	39,728	205,790	87,234	179	63	87,297	42.4	127,025
1947	584,306	85,893	468,642	198,657	93,344	32,670	231,328	41.2	317,221
1948	745,765	109,627	370,662	157,124	10,570	3,700	160,823	42.2	270,451
1949	518,036	76,151	425,733	180,468	181,687	63,590	244,059	40.2	320,210
1950	550,613	80,940	605,717	256,763	67,692	23,692	280,456	41.6	361,396
1951	633,624	93,143	423,324	215,060	64,904	22,716	215,060	48.7	330,919
1952	842,621	123,865	653,610	257,830	123,461	43,211	257,830	38.7	424,907
1953	665,345	97,806	341,518	131,341	123,949	43,382	131,341	37.5	272,529
1954	402,868	59,222	214,394	87,625	12,616	4,416	87,625	40.5	151,262
1955	493,856	72,597	300,048	127,190	116,258	40,690	167,881	40.3	240,477
1956	705,699	103,738	409,211	173,465	161,261	56,441	229,906	40.3	333,644
1957	737,818	108,459	293,949	124,605	-	-	124,605	42.4	233,064
1958	574,687	84,479	351,812	149,133	363	127	149,260	42.4	233,739
1959	576,888	84,803	347,820	147,441	-	-	147,441	42.4	232,243
1960	180,668	26,558	103,787	43,995	-	-	43,995	42.4	70,554
							Average 1935-1944:	40.0	

Sources Column I: 1926-1934, Rounsefell and Kelez (1938), Table 36; 1935-1960, Wash. Dept. Fish. Ann.
------- Rept. for 1964, p 168. Columns II & VI: See Text. Column III: 1889-1912, From Column VI of Table 153.
1913-1934, Wash. Dept. Fish. Ann. Rept. for 1964, p. 179; 1935-1960, Ibid. p. 184.
Column IV: 1935-1950 and 1955-1960, 42.4% of Column III, 1951-1954 from Table 156 - See Text.
Column V: Wash. Dept. Fish. Ann. Rept. for 1964, p. 184. Column VII: Sum of Columns
II, IV and VI. Column VIII: Percent Column VII of Columns III plus V. Column IX: Column II plus Column VII.

Table 163. Total interceptions by the Washington State troll fishery of coho and chinook salmon bound for the rivers of British Columbia, 1960-1982.

	I	II	III	IV	V	VI
	Coho			Chinook		
Year	Catch	Inter- ceptions	Percent Inter- cepted	Catch	Inter- ceptions	Percent Inter- cepted
1960	340.7	45.3	13.3	288.3	12.3	4.3
1961	1,035.1	145.8	14.1	371.1	17.0	4.6
1962	1,142.2	154.9	13.6	329.8	15.5	4.7
1963	881.0	161.2	18.3	396.5	16.8	4.2
1964	1,127.7	161.8	14.3	349.4	12.8	3.7
1965	1,496.0	220.2	14.7	317.4	6.0	1.9
1966	1,681.5	220.4	13.1	365.4	11.8	3.2
1967	1,213.2	165.0	13.6	356.4	3.0	0.8
1968	1,275.3	160.0	12.5	394.0	3.0	0.8
1969	921.1	155.0	16.8	450.2	5.0	1.1
1970	1,869.7	155.0	8.3	542.3	5.0	0.9
1971	2,001.5	206.2	10.3	565.0	13.3	2.4
1972	1,252.9	108.1	8.6	466.0	17.4	3.6
1973	1,671.5	152.6	9.1	684.4	11.1	1.6
1974	2,117.1	222.6	10.5	611.8	14.6	2.4
1975	1,836.9	157.7	8.6	681.2	12.9	1.9
1976	2,162.2	352.0	16.3	781.6	16.9	2.2
1977	1,745.3	195.0	11.2	687.3	19.8	2.9
1978	1,479.8	.173.9	11.8	521.2	17.5	3.4
1979	1,537.8	173.5	11.3	452.3	11.2	2.5
1980	1,810.4	109.2	6.0	513.4	9.7	1.9
1981	1,249.0	80.3	6.4	433.0	10.3	2.4
1982	1,737.4	94.8	5.5	477.4	10.0	2.1
	Average 1960-1964:		14.7			4.3

Sources See Text and Tables 157 and 159.

Table 164. Estimated interceptions in Washington by United States fishermen of chinook salmon bound for the rivers of British Columbia, in numbers of fish, 1889-1959.

	I	II	III	IV	V	VI	VII	VIII	IX
	Troll		Net						
Year	Total Catch	Inter-ceptions (4.3%)	Inside Cape Flattery Catch	Inter-ceptions (25.6%)	Outside Cape Flattery Catch	Inter-ceptions (25%)	Total Net Inter-ceptions	% Inter-ceptions of Total Net Catch	Total Commercial Inter-ceptions
1889			968				248		248
1890			4,034				1,033		1,033
1891			1,541				395		395
1892			347				89		89
1893			4,841				1,239		1,239
1894			-				0		0
1895			6,221				1,593		1,593
1896			54,443				13,937		13,937
1897			38,326				9,811		9,811
1898			45,184				11,567		11,567
1899			98,291				25,163		25,163
1900			90,166				23,083		23,083
1901			48,411				12,393		12,393
1902			155,518				39,813		39,813
1903			124,982				31,995		31,995
1904			159,116				40,734		40,734
1905			249,335				63,830		63,830
1906			32,835				8,406		8,406
1907			173,531				44,424		44,424
1908			384,105				98,331		98,331
1909			222,689				57,008		57,008
1910			236,990				60,670		60,670
1911			309,523				79,238		79,238
1912			324,809				83,151		83,151
1913			290,044	74,251			74,251		74,251
1914			425,979	109,051			109,051		109,051
1915			301,192	77,105			77,105		77,105
1916			301,178	77,102			77,102		77,102
1917			440,864	112,861			112,861		112,861
1918			477,246	122,175			122,175		122,175
1919			347,266	88,900			88,900		88,900
1920			271,926	69,613			69,613		69,613
1921			268,982	68,859			68,859		68,859
1922			208,359	53,340			53,340		53,340
1923			224,624	57,504			57,504		57,504
1924			245,601	62,874			62,874		62,874
1925			284,496	72,831			72,831		72,831
1926			253,129	64,801			64,801		64,801
1927	237,736	10,223	287,762	73,667			73,667		83,890
1928	215,435	9,264	243,214	62,263			62,263		71,526
1929	207,439	8,920	311,642	79,780			79,780		88,700

Continued ...

Table 164. Continued.

	I	II	III	IV	V	VI	VII	VIII	IX
	Troll		Net						
Year	Total Catch	Inter-ceptions (4.3%)	Inside Cape Flattery Catch	Inter-ceptions (25.6%)	Outside Cape Flattery Catch	Inter-ceptions (25%)	Total Net Inter-ceptions	% Inter-ceptions of Total Net Catch	Total Commercial Inter-ceptions
1930	238,070	10,237	280,142	71,716			71,716		81,953
1931	246,767	10,611	207,898	53,222			53,222		63,833
1932	169,722	7,298	179,566	45,969			45,969		53,267
1933	113,580	4,884	210,602	53,914			53,914		58,798
1934	134,714	5,793	209,482	53,627			53,627		59,420
1935	199,259	8,568	76,043	19,467	15,657	3,914	23,381	25.5	31,949
1936	297,353	12,786	78,789	20,170	6,374	1,594	21,763	25.6	34,550
1937	259,432	11,156	93,060	23,823	10,178	2,545	26,368	25.5	37,523
1938	175,080	7,528	58,325	14,931	153	38	14,969	25.6	22,498
1939	174,522	7,504	61,003	15,617	2,385	596	16,213	25.6	23,717
1940	303,402	13,046	70,816	18,129	4,298	1,075	19,203	25.6	32,250
1941	278,002	11,954	72,166	18,474	11,549	2,887	21,362	25.5	33,316
1942	255,155	10,972	42,309	10,831	17,445	4,361	15,192	25.4	26,164
1943	240,244	10,330	56,583	14,485	12,964	3,241	17,726	25.5	28,057
1944	188,337	8,098	67,827	17,364	1,150	288	17,651	25.6	25,750
1945	221,157	9,510	87,501	22,400	2,859	715	23,115	25.6	32,625
1946	348,406	14,981	62,292	15,947	338	85	16,031	25.6	31,013
1947	325,015	13,976	37,380	9,569	5,125	1,281	10,851	25.5	24,826
1948	285,908	12,294	41,491	10,622	485	121	10,743	25.6	23,037
1949	291,146	12,519	51,913	13,290	902	226	13,515	25.6	26,035
1950	256,534	11,031	45,542	11,659	2,011	503	12,162	25.6	23,192
1951	330,821	14,225	51,797	13,260	2,519	630	13,890	25.6	28,115
1952	407,445	17,520	59,559	15,247	1,145	286	15,533	25.6	33,053
1953	419,240	18,027	58,659	15,017	3,153	788	15,805	25.6	33,832
1954	383,938	16,509	58,632	15,010	260	65	15,075	25.6	31,584
1955	384,695	16,542	57,244	14,654	1,707	427	15,081	25.6	31,623
1956	295,276	12,697	46,413	11,882	3,946	987	12,868	25.6	25,565
1957	361,401	15,540	48,623	12,447	-	0	12,447	25.6	27,988
1958	269,931	11,607	50,416	12,906	30	8	12,914	25.6	24,521
1959	202,229	8,696	55,323	14,163	-	0	14,163	25.6	22,859
					Average 1935-1959:			25.6	

Sources

Column I: 1926-1934, Rounsefell and Kelez (1938), Table 41; 1935-1960, Wash. Dept. Fish. Ann. Rept. for 1964, p 167. Columns II, IV & VI: See Text. Column III: 1889-1912, From Column X of Table 153, 1913-1934, Wash. Dept. Fish. Ann. Rept. for 1964, p. 179; 1935-1960, Wash. Dept. Fish. Ann. Rept. for 1964, p. 182. Column V: Wash. Dept. Fish Ann. Rept. for 1964, p. 182. Column VII: 1889-1934, 25.6% of Column III (See text); 1935-1960, Sum of Columns IV and VI. Column VIII: Percentage, Column VII of Column III plus Column V. Column IX: Column II plus Column VII.

Table 165. Estimated production of sockeye salmon from the rivers of the Northwest States of the United States, 1889-1982.

	I	II	III	IV	V	VI	VII	VIII
	Total Catch		Catch of N.W. U.S.A. Fish By B.C.		Catch by N.W. U.S.A. of Fish Bound for B.C.		Net Production	
Year	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1889	323.6	549			161.8	440	161.8	109
1890	1,042.6	1,769			521.3	1,418	521.3	351
1891	353.8	679			212.3	578	141.5	101
1892	1,248.5	2,160			643.2	1,749	605.4	410
1893	1,178.5	2,676			895.4	2,435	283.1	241
1894	1,342.1	2,868			938.3	2,552	403.8	315
1895	1,178.0	2,920			1,005.7	2,736	172.3	184
1896	1,261.5	3,172			1,097.6	2,985	163.9	187
1897	4,309.6	11,724			4,175.7	11,358	133.9	366
1898	4,502.0	11,201			3,879.9	10,553	622.1	648
1899	6,958.6	18,870			6,724.7	18,291	233.9	579
1900	3,239.3	8,745			3,103.7	8,442	135.7	303
1901	14,088.2	38,733			13,875.1	37,740	213.1	993
1902	4,311.5	11,649			4,140.6	11,262	170.9	386
1903	2,063.5	5,571			1,971.3	5,362	92.2	209
1904	1,740.8	4,585			1,607.5	4,372	133.4	212
1905	10,471.5	28,954			10,384.9	28,247	86.6	707
1906	2,172.7	5,885			2,085.7	5,673	87.1	212
1907	1,130.5	3,034			1,064.4	2,895	66.0	139
1908	2,035.3	5,488			1,941.3	5,280	94.0	208
1909	14,120.7	38,757			13,876.8	37,745	243.8	1,012
1910	2,879.0	7,880			2,806.4	7,633	72.7	247
1911	1,556.8	4,209			1,486.3	4,043	70.4	167
1912	2,155.2	5,829			2,064.5	5,616	90.6	213
1913	21,939.2	60,764			21,821.8	59,355	117.4	1,408
1914	4,101.7	10,810			3,812.8	10,371	288.9	439
1915	836.2	2,217			770.5	2,096	65.6	121
1916	978.3	2,645			927.9	2,524	50.5	121
1917	5,150.5	14,160			5,062.0	13,769	88.4	391
1918	1,257.0	2,749			897.0	2,440	359.9	309
1919	910.8	2,389			828.8	2,254	82.1	134
1920	725.3	1,964			685.5	1,865	39.8	100
1921	1,309.8	3,522			1,238.9	3,370	71.0	152
1922	1,072.8	2,376			777.3	2,114	295.5	262
1923	1,192.0	2,559			827.8	2,252	364.3	307
1924	906.0	2,373			823.1	2,239	83.0	135
1925	1,477.7	3,996			1,410.4	3,836	67.4	160
1926	865.1	1,977			651.5	1,772	213.6	205
1927	1,194.8	3,186			1,116.2	3,036	78.6	149
1928	718.0	1,901			658.3	1,790	59.8	111
1929	1,517.3	4,019			1,409.7	3,834	107.6	185
1930	3,723.3	10,156			3,618.0	9,841	105.3	315

Continued ...

Table 165. Continued

	I	II	III	IV	V	VI	VII	VIII
	Total Catch		Catch of N.W. U.S.A. Fish by B.C.		Catch by N.W. U.S.A. of Fish Bound for B.C.		Net Production	
Year	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1931	1,050.6	2,839			997.1	2,712	53.5	127
1932	904.2	2,458			862.8	2,347	41.4	112
1933	1,849.9	5,006			1,771.0	4,817	78.9	189
1934	3,715.0	10,191			3,636.5	9,891	78.4	300
1935	729.2	2,136			611.3	1,919	117.8	217
1936	608.5	1,594			526.4	1,543	82.0	51
1937	1,071.3	3,103			922.8	2,881	148.5	222
1938	1,651.6	4,874			1,445.5	4,570	206.1	304
1939	652.5	1,897			572.9	1,791	79.5	106
1940	1,066.4	2,666			683.4	2,025	383.0	641
1941	2,251.9	5,809			1,605.8	4,710	646.1	1,099
1942	3,145.7	9,631			2,943.3	9,206	202.4	345
1943	315.4	888			244.4	752	71.0	136
1944	397.1	1,080			426.2	1,248	(29.1)	(168)
1945	792.8	2,212			691.6	1,988	101.2	224
1946	3,658.6	10,028	5.0	15.5	3,551.4	9,835	112.2	208
1947	454.7	883	5.0	15.5	162.0	465	297.7	434
1948	1,201.2	2,979	5.0	15.5	1,085.1	2,773	121.1	221
1949	1,322.1	3,260	5.0	15.5	1,043.8	2,739	283.3	537
1950	1,395.4	4,092	5.0	15.5	1,226.0	3,800	174.4	308
1951	1,251.7	3,751	5.0	20.1	1,142.0	3,561	114.7	210
1952	1,309.5	3,901	5.0	12.9	1,173.5	3,753	140.9	160
1953	2,090.1	5,711	5.0	13.0	2,034.8	5,616	60.3	108
1954	4,906.2	15,998	5.0	16.3	4,823.7	15,741	167.5	274
1955	1,135.7	2,975	5.0	13.5	1,022.6	2,792	118.1	197
1956	1,113.5	3,001	5.0	14.5	936.2	2,739	182.2	277
1957	1,805.2	4,132	5.0	11.2	1,709.0	3,975	101.2	168
1958	5,487.9	15,025	5.0	14.0	5,338.0	14,860	154.8	179
1959	2,028.9	4,717	5.0	12.2	1,886.1	4,551	147.8	178
1960	1,353.3	3,248	5.0	12.6	1,240.0	3,119	118.4	142
1961	1,454.3	3,817	5.0	13.4	1,382.0	3,685	77.3	146
1962	790.2	2,314	5.0	15.1	749.5	2,236	45.7	93
1963	1,421.8	3,615	5.0	13.2	1,304.8	3,410	122.0	218
1964	556.4	1,427	5.0	13.0	501.7	1,333	59.7	107
1965	1,050.8	2,730	5.0	12.5	1,011.9	2,654	43.9	88
1966	1,403.3	4,193	5.0	15.6	1,331.3	4,065	77.0	144
1967	2,193.4	5,666	1.0	2.7	2,086.0	5,478	108.4	190
1968	1,005.5	2,520	7.0	18.5	884.0	2,306	128.5	233
1969	1,687.2	4,404	9.0	23.3	1,584.0	4,181	112.2	246
1970	1,386.6	3,971	-	-	1,348.0	3,891	38.6	80
1971	3,172.6	8,449	13.1	37.2	2,757.6	7,435	428.1	1,051
1972	1,269.9	3,253	6.1	16.5	1,127.4	3,003	148.6	266
1973	2,680.8	7,013	10.0	26.7	2,612.4	6,838	78.4	202
1974	2,512.3	7,499	6.8	20.7	2,460.7	7,376	58.4	143
1975	1,692.6	4,334	9.5	24.4	1,560.1	4,048	142.0	311
1976	1,334.1	3,615	12.2	33.4	1,321.8	3,590	24.5	58
1977	1,872.1	5,150	30.1	84.3	1,730.8	4,789	171.4	446
1978	1,395.9	4,120	3.0	9.1	1,360.4	4,028	38.5	101
1979	1,806.3	4,844	1.9	5.2	1,769.4	4,750	38.8	99
1980	556.4	1,365	2.1	5.3	462.3	1,141	96.2	230
1981	1,327.0	3,419	3.5	9.3	1,290.3	3,344	40.2	84
1982	2,883.9	8,367	2.0	6.0	2,866.0	8,328	19.9	45

Sources Columns I & II: Tables 128 & 133. Columns III & IV: Table 122. Columns V & VI: Tables 149 & 150. Column VII: Column I+Column III-Column V. Column IX: Column II+Column IV-Column VI.

Table 166. Estimated production of pink salmon from the rivers of the Northwest States of the United States, 1889-1981

	I	II	III	IV	V	VI	VII	VIII
	Total Catch		Catch of N.W. U.S.A. Fish by B.C.		Catch by N.W. U.S.A. of Fish Bound for B.C.		Net Production	
Year	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1889	55.9	146			35.1	87.5	20.8	58.5
1891	131.0	342			70.6	175.9	60.4	166.1
1893	243.7	636			219.3	546.0	24.4	90.0
1895	394.6	1,030			295.6	736.0	99.0	294.0
1897	796.2	2,078			716.3	1,783.6	79.9	294.4
1899	3,559.0	9,289			3,161.1	7,871.2	397.9	1,417.8
1901	NA	NA			NA	NA	NA	NA
1903	2,521.1	6,580			2,268.0	5,647.3	253.1	932.7
1905	987.0	2,576			888.0	2,211.0	99.0	365.0
1907	6,026.1	15,728			5,421.2	13,498.7	604.9	2,229.3
1909	5,159.0	13,465			4,640.3	11,554.4	518.7	1,910.6
1911	14,712.3	38,399	42.4	112	13,095.6	32,608.0	1,659.0	5,903.2
1913	15,952.2	41,635	27.9	74	14,301.0	35,609.6	1,679.1	6,099.6
1915	7,411.1	19,343	23.4	62	6,624.5	16,494.9	810.0	2,910.0
1917	13,381.6	34,926	54.3	144	11,997.4	29,873.5	1,438.5	5,196.4
1919	4,673.3	12,197	66.2	175	4,196.4	10,449.0	543.1	1,923.7
1921	4,412.7	11,517	9.7	26	3,305.5	8,230.8	1,116.8	3,312.0
1923	5,534.1	15,036	19.7	52	4,156.1	10,348.7	1,397.7	4,739.6
1925	6,665.3	16,016	39.6	105	5,005.7	12,464.1	1,699.3	3,656.9
1927	6,526.0	18,776	25.7	68	4,901.1	12,203.6	1,650.7	6,640.4
1929	7,432.3	23,338	32.5	86	5,582.0	13,899.3	1,882.7	9,524.8
1931	8,131.9	25,372	79.9	212	6,107.1	15,206.6	2,104.8	10,377.3
1933	6,039.9	17,508	69.6	184	4,535.9	11,294.5	1,573.5	6,397.9
1935	5,824.7	15,192	57.0	151	5,695.5	14,854.4	186.1	488.6
1937	5,086.3	13,266	21.6	57	3,993.4	10,414.3	1,114.4	2,908.8
1939	4,067.2	10,607	34.4	91	2,661.3	6,939.1	1,440.3	3,759.1
1941	2,021.0	5,271	8.3	22	1,439.7	3,755.0	589.6	1,537.8
1943	972.9	2,538	8.6	23	583.6	1,522.1	397.9	1,038.7
1945	5,895.1	15,375	21.1	56	4,670.3	12,180.8	1,245.9	3,250.0
1947	9,372.3	24,476	65.6	174	8,252.1	21,550.7	1,185.9	3,099.3
1949	7,604.5	20,062	312.8	829	5,276.3	13,920.3	2,641.0	6,970.5
1951	5,699.6	15,412	175.4	506	4,856.7	13,135.5	1,018.3	2,782.6
1953	6,046.5	15,644	694.5	1,810	4,097.9	10,588.6	2,643.0	6,865.1
1955	5,209.1	14,375	510.1	1,411	4,222.5	11,638.7	1,496.8	4,147.8
1957	3,183.8	7,969	216.6	529	2,558.6	6,378.0	841.8	2,120.3
1959	2,617.6	6,203	364.4	863	2,308.3	5,468.9	673.7	1,596.7
1961	753.4	2,230	216.4	663	404.1	1,195.4	565.8	1,698.0
1963	6,307.0	14,287	2649.4	617	1,635.3	3,702.9	7,321.1	11,200.7
1965	771.4	2,203	267.7	763	442.6	1,254.9	596.5	1,711.2
1967	4,345.5	10,591	654.0	1,566	4,102.0	9,890.8	897.5	2,266.4
1969	1,066.5	2,844	137.0	360	1,020.0	2,753.9	183.5	450.5
1971	2,501.1	5,824	432.7	983	2,329.8	5,421.9	604.0	1,384.9
1973	2,421.9	5,848	364.0	884	2,190.6	5,245.9	595.3	1,486.0
1975	1,407.7	3,757	147.6	400	1,272.1	3,399.9	283.2	757.3
1977	2,410.3	6,281	597.5	1,569	2,324.1	6,109.3	683.7	1,740.5
1979	4,727.7	10,669	689.0	1,509	4,102.6	9,191.7	1,314.1	2,986.6
1981	5,051.0	9,214	593.0	132	3,381.3	7,411.9	2,262.8	1,934.2

Sources Columns I & II: Tables 129 & 133. Columns III & IV: Table 124. Column V: Table 151. Column VI: Column V converted at av. ann. wt./fish from Wash. Dept. Fish. Stat. Rept. for 1974-1982. Column VII: Column I+Column III-Column V. Column IX: Column II+Column IV-Column VI.

Table 167. Estimated production of chum salmon from the rivers of the Northwest States of the United States, 1889-1982.

	I	II	III	IV	V	VI	VII	VIII
	Total Catch		Catch of N.W. U.S.A. Fish by B.C.		Catch by N.W. U.S.A of Fish Bound for B.C.		Net Production	
Year	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1889	40.0	187.0			2.2	10	37.9	176.5
1890	89.2	417.0			7.5	37	81.7	380.4
1891	99.1	463.0			5.8	28	93.2	434.7
1892	321.2	1,501.0			30.5	148	290.7	1,353.1
1893	254.0	1,187.0			21.5	104	232.6	1,083.0
1894	269.0	1,257.0			41.8	203	227.2	1,054.5
1895	737.4	3,446.0			73.1	355	664.3	3,091.4
1896	304.3	1,422.0			50.1	243	254.3	1,179.3
1897	249.3	1,165.0			43.9	213	205.4	951.9
1898	359.9	1,682.0			72.4	351	287.6	1,330.9
1899	636.4	2,974.0			59.3	288	577.1	2,686.2
1900	972.2	4,543.0			168.0	815	804.2	3,728.4
1901	564.7	2,639.0			0.0	NA	564.7	2,639.0
1902	1,197.9	5,598.0			176.2	855	1,021.7	4,743.2
1903	203.3	950.0			22.6	110	180.7	840.3
1904	845.7	3,952.0			93.6	454	752.1	3,498.0
1905	750.7	3,508.0			77.4	375	673.3	3,132.6
1906	1,516.8	7,088.0			281.3	1,364	1,235.5	5,723.7
1907	636.6	2,975.0			94.7	459	541.9	2,515.6
1908	657.8	3,074.0			88.6	430	569.2	2,644.2
1909	728.0	3,402.0			101.2	491	626.8	2,911.1
1910	1,889.6	8,830.0	14.2	73.4	277.0	1,343	1,626.8	7,559.9
1911	1,663.2	7,772.0	21.7	111.8	185.3	899	1,499.5	6,984.9
1912	895.1	4,183.0	10.5	53.9	114.5	556	791.1	3,681.4
1913	723.7	3,382.0	6.3	32.3	144.0	698	586.0	2,716.1
1914	2,865.2	13,389.0	24.3	125.2	401.3	1,946	2,488.2	11,567.9
1915	4,203.5	19,643.0	9.0	46.4	448.4	2,175	3,764.1	17,514.6
1916	5,393.3	25,203.0	7.2	37.0	448.4	2,175	4,952.1	23,065.1
1917	2,317.4	10,829.0	15.9	81.9	260.6	1,264	2,072.6	9,646.9
1918	2,388.6	11,162.0	29.0	149.7	275.3	1,335	2,142.4	9,976.7
1919	5,059.5	23,643.0	21.8	112.7	351.1	1,703	4,730.3	22,053.0
1920	517.7	2,419.0	10.3	53.3	162.6	788	365.4	1,683.9
1921	283.3	1,324.0	7.4	38.1	64.3	312	226.4	1,050.2
1922	616.8	2,925	8.2	42.5	119.5	580	505.5	2,387.8
1923	1,002.9	4,401	14.0	72.2	151.8	736	865.1	3,816.9
1924	1,523.0	6,903	14.4	74.1	204.7	993	1,332.7	5,984.5
1925	1,201.4	6,274	18.5	95.6	127.3	617	1,092.7	5,752.3
1926	1,328.1	6,393	19.4	100.1	253.2	1,228	1,094.3	5,265.3
1927	1,327.5	6,725	39.4	203.2	125.4	608	1,241.5	6,320.1
1928	2,065.6	10,146	14.8	76.4	248.5	1,205	1,831.9	9,017.2
1929	2,107.2	10,307	21.1	109.1	353.8	1,716	1,774.6	8,700.3
1930	1,219.8	5,747	13.9	71.9	240.7	1,167	993.0	4,651.5

Continued ...

Table 167. Continued

	I	II	III	IV	V	VI	VII	VIII
	Total Catch		Catch of N.W. U.S.A. Fish by B.C.		Catch by N.W. U.S.A. of Fish Bound for B.C.		Net Production	
Year	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1931	1,015.2	5,168	9.5	48.8	162.4	788	862.3	4,429.0
1932	1,397.3	7,187	13.9	71.6	260.0	1,261	1,151.2	5,997.7
1933	730.3	3,661	12.7	65.4	120.0	582	623.0	3,144.4
1934	1,137.1	4,852	18.6	96.2	206.3	1,001	949.4	3,947.6
1935	942.4	4,381	21.6	111.3	170.4	773	793.6	3,719.6
1936	1,190.6	5,583	31.7	163.5	186.2	845	1,036.1	4,901.8
1937	1,112.0	5,165	28.3	146.3	183.6	833	956.8	4,478.4
1938	1,170.9	5,470	24.2	124.7	190.1	862	1,004.9	4,732.3
1939	543.9	2,562	18.9	97.5	78.5	356	484.2	2,303.8
1940	848.1	4,222	49.3	254.4	134.0	670	763.3	3,806.8
1941	1,561.6	7,480	56.3	290.4	159.4	724	1,458.5	7,046.7
1942	1,683.9	8,116	30.3	156.3	152.6	692	1,561.5	7,579.9
1943	640.4	2,997	19.6	101.3	93.9	426	566.1	2,672.2
1944	440.1	2,054	17.1	88.2	76.2	346	381.0	1,796.3
1945	616.3	2,901	31.5	162.8	99.8	452	548.1	2,611.6
1946	1,603.3	7,409	31.2	161.1	296.4	1,345	1,338.1	6,225.3
1947	763.0	3,385	57.5	296.9	141.0	621	679.5	3,061.3
1948	1,230.4	5,539	47.5	244.9	223.0	977	1,054.9	4,806.5
1949	596.8	2,701	31.3	161.4	104.3	463	523.8	2,399.7
1950	1,134.6	5,877	66.4	342.4	257.5	1,362	943.5	4,857.6
1951	1,093.6	5,618	56.1	317.9	194.7	1,045	955.1	4,890.5
1952	961.4	5,488	21.3	83.1	222.0	1,309	760.7	4,262.1
1953	541.1	2,824	50.3	237.8	73.2	390	518.3	2,671.5
1954	780.4	4,151	61.7	364.1	82.0	456	760.1	4,058.7
1955	390.1	2,099	18.7	96.2	72.6	399	336.2	1,796.0
1956	211.5	1,076	16.4	85.3	27.9	147	200.0	1,014.5
1957	223.5	1,138	10.9	54.3	10.6	55	223.9	1,137.6
1958	573.2	2,834	32.1	148.0	83.6	409	521.8	2,572.6
1959	527.3	2,842	30.5	148.3	84.0	457	473.8	2,533.8
1960	208.1	960	19.2	84.6	32.1	144	195.2	900.4
1961	176.6	914	10.0	50.1	23.7	123	162.9	841.1
1962	240.8	1,222	6.7	32.7	15.1	76	232.5	1,179.1
1963	318.7	1,402	12.6	61.7	22.0	95	309.3	1,368.2
1964	287.1	1,430	11.2	55.3	20.4	100	278.0	1,385.5
1965	211.0	909	5.4	24.3	8.9	38	207.5	895.6
1966	428.3	1,950	6.8	32.1	13.9	63	421.2	1,919.3
1967	293.4	1,335	8.0	35.6	13.0	58	288.4	1,312.2
1968	481.9	2,517	25.0	127.7	115.0	600	391.9	2,044.3
1969	200.1	974	18.0	85.8	48.0	234	170.1	826.1
1970	270.9	1,318	28.0	125.7	73.0	351	225.9	1,093.1
1971	183.4	769	7.7	31.2	25.7	107	165.4	693.4
1972	895.8	4,323	81.3	389.6	318.8	1,507	658.3	3,205.8
1973	607.6	3,073	103.7	536.7	248.0	1,248	463.3	2,361.8
1974	462.8	2,362	23.3	115.3	183.8	932	302.3	1,545.0
1975	216.1	1,025	19.5	91.4	86.0	405	149.6	711.4
1976	823.8	4,144	117.0	601.4	750.6	1,247	690.2	3,498.8
1977	472.0	2,273	23.6	117.7	54.9	264	440.7	2,126.6
1978	1,206.9	6,426	160.1	792.2	378.4	1,880	1,068.7	5,338.1
1979	130.9	618	13.1	61.6	5.6	26	138.4	653.2
1980	1,014.8	4,767	96.3	44.1	334.6	1,563	776.6	3,247.8
1981	542.0	2,744	23.0	116.9	10.8	54	554.2	2,806.7
1982	1,120.1	5,482	164.6	765.0	334.6	1,622	950.1	4,624.8

Sources Columns I & II: Tables 130 & 133. Columns III & IV: Table 125. Column V: 1889-1949, Table 161; 1950-1966, Table 155; 1967-1982, from Fletcher (1984). Column VI: Column V converted at av. ann. wt./fish from Wash. Dept. Fish. Stat. Rept. for 1974-1982. Column VII: Column I+Column III-Column V. Column IX: Column II+Column IV-Column VI.

Table 160. Estimated production of coho salmon from the rivers of the Northwest States of the United States, 1882-1982.

	I	II	III	IV	V	VI	VII	VIII
	Total Catch		Catch of N.W. U.S.A. Fish by B.C.		Catch by N.W. U.S.A. of Fish Bound for B.C.		Net Production	
Year	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1882	45.7	181.0					45.7	181.0
1883	2.3	9.0					2.3	9.0
1884	11.9	47.0					11.9	47.0
1885								
1886								
1887								
1888								
1889	872.4	4,855			27.4	101	845.0	4,754.3
1890	447.6	2,491			11.0	40	436.6	2,450.6
1891	411.3	2,289			21.5	79	389.8	2,210.0
1892	720.6	4,010			26.4	97	694.1	3,913.0
1893	640.6	3,565			43.3	159	597.3	3,405.9
1894	811.5	4,516			82.3	302	729.2	4,214.1
1895	1,791.0	9,967			186.7	685	1,604.4	9,282.0
1896	1,263.4	7,031			303.3	1,113	960.2	5,918.0
1897	1,375.7	7,656			337.2	1,238	1,038.5	6,418.3
1898	1,485.9	8,269			361.8	1,328	1,124.1	6,941.1
1899	2,107.3	11,727			408.8	1,500	1,698.5	10,226.9
1900	1,356.5	7,549			470.5	1,727	886.1	5,822.4
1901	998.9	5,559			NA	NA	998.9	5,559.0
1902	941.1	5,237			314.9	1,156	626.1	4,081.2
1903	1,029.6	5,730			379.6	1,393	650.0	4,336.7
1904	1,523.5	8,478			433.5	1,591	1,090.0	6,887.1
1905	1,030.0	5,732			291.1	1,068	738.9	4,663.5
1906	1,428.6	7,950			346.8	1,272	1,081.8	6,677.6
1907	1,465.2	8,154			438.4	1,609	1,026.8	6,545.0
1908	1,538.9	8,564			473.1	1,736	1,065.8	6,827.7
1909	1,597.7	8,891			525.3	1,928	1,072.4	6,963.3
1910	2,175.0	12,104	110.9	406	597.3	2,192	1,688.6	10,317.4
1911	3,081.2	17,147	83.6	307	939.9	3,449	2,224.9	14,005.0
1912	1,850.5	10,298	90.5	347	549.5	2,017	1,391.5	8,628.0
1913	980.1	5,454	89.7	334	490.0	1,798	579.7	3,989.6
1914	2,120.2	11,799	511.3	1,876	599.7	2,201	2,031.8	11,473.9
1915	1,814.7	10,099	123.9	429	443.6	1,628	1,495.1	8,900.4
1916	2,030.4	11,299	93.3	349	443.6	1,628	1,680.1	10,020.2
1917	1,521.8	8,469	83.8	317	374.5	1,374	1,231.2	7,412.0
1918	2,787.6	15,513	109.6	410	655.0	2,404	2,242.2	13,519.3
1919	2,298.1	12,789	189.4	691	545.3	2,001	1,942.2	11,479.2
1920	390.3	2,172	175.6	655	227.8	836	338.1	1,990.8
1921	680.3	3,786	190.3	730	304.9	1,119	565.7	3,397.3
1922	1,679.5	9,017	206.1	766	356.9	1,310	1,528.7	8,472.7
1923	1,997.2	9,188	178.2	680	355.0	1,303	1,820.4	8,565.3
1924	2,381.9	12,369	181.4	682	378.7	1,390	2,184.6	11,661.1
1925	2,212.5	11,899	274.7	1,047	347.6	1,276	2,139.6	11,670.5
1926	1,885.8	11,214	273.1	1,041	332.4	1,220	1,826.5	11,035.4
1927	2,027.8	10,526	233.1	874	473.8	1,739	1,787.2	9,661.6
1928	1,522.0	8,572	219.2	825	356.9	1,310	1,384.4	8,086.7
1929	1,717.6	10,247	281.2	1,052	374.0	1,373	1,624.8	9,926.7
1930	1,677.0	10,989	386.3	1,461	284.5	1,044	1,778.8	11,406.4

Continued ...

Table 160. Continued

	I	II	III	IV	V	VI	VII	VIII
	Total Catch		Catch of N.W. U.S.A. fish by B.C.		Catch by N.W. U.S.A. of Fish Bound for B.C.		Net Production	
Year	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1931	1,229.1	8,859	244.4	927	245.5	901	1,228.0	8,885.3
1932	1,401.7	9,329	383.7	1,474	224.8	825	1,560.5	9,977.7
1933	1,264.4	6,995	266.3	1,020	241.1	885	1,289.6	7,130.0
1934	1,382.7	8,544	823.8	3,232	220.8	810	1,985.6	10,965.8
1935	3,279.1	13,761	506.2	1,941	497.0	1,903	3,288.2	13,799.9
1936	1,657.4	6,714	692.3	2,714	253.5	925	2,096.1	8,503.0
1937	1,848.4	7,645	304.9	1,163	289.8	1,079	1,863.6	7,728.2
1938	1,334.4	7,194	381.0	1,497	190.9	803	1,524.4	7,888.0
1939	1,658.4	8,402	373.9	1,440	297.6	1,217	1,734.7	8,625.4
1940	1,550.6	7,312	351.9	1,370	236.3	948	1,666.2	7,733.3
1941	1,623.9	6,746	470.2	1,785	309.7	1,135	1,784.4	7,396.4
1942	809.7	3,737	476.6	1,871	132.3	507	1,154.0	5,101.4
1943	1,058.0	4,325	582.0	2,243	230.0	816	1,409.9	5,752.1
1944	1,067.3	5,589	229.1	904	164.6	728	1,131.8	5,764.5
1945	1,466.7	7,344	484.7	1,867	256.6	1,067	1,694.7	8,144.0
1946	955.1	4,750	272.6	1,048	127.0	531	1,100.7	5,267.2
1947	1,994.9	7,843	562.3	1,843	317.3	1,260	2,239.9	8,425.9
1948	1,572.1	6,722	374.4	1,402	270.5	1,085	1,676.0	7,038.8
1949	1,512.6	6,207	594.9	1,958	320.3	1,205	1,787.3	6,959.7
1950	1,656.3	8,106	511.9	1,806	361.5	1,641	1,806.8	8,270.9
1951	1,706.9	7,389	718.1	2,653	295.3	1,329	2,129.7	8,713.2
1952	2,380.7	10,208	635.4	2,156	444.2	1,859	2,571.9	10,504.9
1953	1,[illegible].0	6,547	710.4	2,513	286.0	1,020	2,071.3	8,039.7
1954	1,021.6	4,117	443.3	1,626	154.5	578	1,310.3	5,165.2
1955	1,383.5	5,540	552.2	1,941	240.5	950	1,695.1	6,530.9
1956	1,967.6	7,316	465.1	1,740	333.7	1,233	2,099.0	7,822.9
1957	1,742.0	5,601	717.1	2,362	233.1	695	2,226.0	7,267.9
1958	1,213.1	4,527	675.8	2,533	233.8	889	1,655.1	6,171.2
1959	1,209.9	3,625	812.4	2,490	232.3	678	1,790.0	5,437.1
1960	484.7	1,833	312.8	995	70.6	264	727.0	2,564.5
1961	1,469.7	5,391	928.0	3,156	232.5	875	2,165.1	7,672.2
1962	1,533.3	5,704	878.3	2,924	273.0	1,078	2,138.7	7,550.2
1963	1,553.4	4,851	840.5	2,839	234.3	710	2,159.6	6,980.5
1964	2,097.4	7,895	900.4	3,119	309.7	1,135	2,688.2	9,879.4
1965	2,571.5	9,216	1,261.4	4,723	318.7	1,196	3,514.2	12,743.4
1966	3,117.5	11,511	1,255.8	4,072	430.7	1,437	3,942.7	14,146.3
1967	2,933.5	11,283	1061.0	3,281	342.0	1,081	3,652.5	13,482.2
1968	2,562.8	7,788	1466.0	4,286	386.0	1,192	3,642.8	10,882.5
1969	1,823.6	6,113	843.0	2,793	314.0	1,155	2,352.6	7,751.2
1970	3,464.8	14,511	1239.0	4,293	448.0	2,021	4,255.8	16,782.8
1971	4,138.5	13,101	1760.7	5,177	379.6	1,228	5,519.6	17,050.3
1972	2,336.0	7,960	792.0	2,480	278.9	1,063	2,849.1	9,376.3
1973	2,956.5	10,209	1262.4	4,012	440.4	1,731	3,778.5	12,490.1
1974	4,081.8	13,343	1360.7	3,801	556.5	1,974	4,886.0	15,169.5
1975	2,813.1	9,821	793.2	2,633	470.1	1,868	3,136.2	10,585.7
1976	4,793.6	12,387	908.0	2,289	741.7	2,066	4,959.9	12,609.9
1977	2,287.2	7,070	900.5	2,654	536.8	1,773	2,650.9	7,950.7
1978	2,440.2	6,779	617.6	1,687	447.3	1,395	2,610.5	7,071.4
1979	2,522.9	8,003	889.2	2,516	340.6	1,052	3,071.5	9,467.1
1980	2,339.3	7,498	762.0	2,046	500.9	1,669	2,600.4	7,875.0
1981	1,987.0	5,398	961.6	2,559	227.1	593	2,721.5	7,364.3
1982	1,965.6	7,602	861.8	2,517	364.0	1,123	2,463.4	8,995.4

Sources Columns I & II: Tables 131 & 133. Columns III & IV: Table 126. Column V: 1889-1960, Table 162; 1960-1966, Table 156; 1967-1982, from Fletcher (1984). Column VI: Column V converted at av. ann. wt./fish from Wash. Dept. Fish. Stat. Rept. for 1974-1982. Column VII: Column I+Column III-Column V. Column IX: Column II+Column IV-Column VI.

Table 169. Estimated production of chinook salmon from the rivers of the Northwest States of the United States, 1864-1982.

	I	II	III	IV	V	VI	VII	VIII	IX	X
	Total Catch		Catch of N.W. U.S.A. Fish by B.C.		Catch of N.W. U.S.A. Fish in Alaska		Catch by N.W. U.S.A. of Fish Bound for B.C.		Net Production	
Year	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1864	8.1	73							8.1	73.0
1865	8.1	73							8.1	73.0
1866	16.1	145							16.1	145.0
1867	72.6	653							72.6	653.0
1868	113.0	1,016							113.0	1,016.0
1869	403.7	3,629							403.7	3,629.0
1870	605.5	5,443							605.5	5,443.0
1871	807.3	7,258							807.3	7,258.0
1872	1,009.1	9,072							1,009.1	9,072.0
1873	1,009.1	9,072							1,009.1	9,072.0
1874	1,422.8	12,791							1,422.8	12,791.0
1875	1,525.8	13,717							1,525.8	13,717.0
1876	1,856.7	16,692							1,856.7	16,692.0
1877	1,654.9	14,878							1,654.9	14,878.0
1878	2,053.7	18,463							2,053.7	18,463.0
1879	1,993.4	17,921							1,993.4	17,921.0
1880	2,435.0	21,891							2,435.0	21,891.0
1881	2,951.5	26,534							2,951.5	26,534.0
1882	2,992.2	26,900							2,992.2	26,900.0
1883	3,097.6	27,847							3,097.6	27,847.0
1884	2,886.7	25,951							2,886.7	25,951.0
1885	2,628.1	23,627							2,628.1	23,627.0
1886	2,019.5	18,155							2,019.5	18,155.0
1887	1,584.3	14,243							1,584.3	14,243.0
1888	1,805.6	16,232							1,805.6	16,232.0
1889	1,128.6	13,407					0.2	2.0	1,128.4	13,405.0
1890	1,132.3	13,451					1.0	8.3	1,131.3	13,442.7
1891	1,121.9	13,327					0.4	3.2	1,121.5	13,323.8
1892	1,114.2	13,236					0.1	0.7	1,114.1	13,235.3
1893	1,012.8	12,031			4.5	33.9	1.2	10.0	1,016.1	12,054.9
1894	1,238.8	14,716			11.5	86.6	0.0	0.0	1,250.3	14,802.6
1895	1,466.0	17,415			9.2	69.6	1.6	12.9	1,473.7	17,471.7
1896	1,393.5	16,553			13.6	102.1	13.9	112.5	1,393.1	16,542.6
1897	1,629.3	19,354			18.8	141.9	9.8	79.2	1,638.3	19,416.7
1898	1,311.8	15,583			5.8	43.8	11.6	93.3	1,306.1	15,533.4
1899	1,211.1	14,387			21.1	158.9	25.2	203.1	1,207.1	14,342.8
1900	1,174.8	13,956			19.7	148.5	23.1	186.3	1,171.5	13,918.2
1901	842.4	10,007			20.9	157.2	12.4	100.0	850.9	10,064.2
1902	1,489.8	17,697			15.4	115.6	39.8	321.3	1,465.3	17,491.3
1903	1,737.6	20,641			33.9	255.6	32.0	258.2	1,739.5	20,638.4
1904	2,114.7	25,120			(1.0)	(7.8)	40.7	328.7	2,072.9	24,783.5
1905	2,157.6	25,630			23.7	178.2	63.8	515.1	2,117.4	25,293.1
1906	1,814.0	21,549			6.6	49.4	8.4	67.8	1,812.2	21,530.6
1907	1,713.7	20,357			39.9	300.7	44.4	358.5	1,709.2	20,299.2
1908	1,516.3	18,012			21.3	160.4	98.4	793.5	1,439.2	17,378.9
1909	1,478.0	17,557			25.6	192.5	57.0	460.1	1,446.5	17,289.4
1910	1,992.3	23,666	76.4	560	49.8	374.9	60.7	489.6	2,057.8	24,111.0
1911	2,432.2	28,892	6.3	46	27.0	203.4	79.2	639.4	2,386.2	28,502.2
1912	1,880.5	22,338	40.2	297	163.1	1,228.1	83.2	671.0	2,000.6	23,192.3
1913	1,725.1	20,493	52.0	377	151.1	1,137.6	74.3	599.2	1,853.9	21,408.2
1914	1,847.7	21,949	102.7	744	134.0	1,009.2	109.1	880.0	1,975.4	22,821.8
1915	2,064.6	24,525	37.3	248	108.1	814.0	77.1	622.2	2,132.9	24,964.7
1916	2,129.6	25,297	28.1	204	86.9	654.3	77.1	622.2	2,167.4	25,532.7
1917	1,983.6	23,563	18.2	131	117.8	887.2	112.9	910.8	2,006.7	23,669.9
1918	1,960.3	23,286	21.7	156	157.8	1,188.5	122.2	986.0	2,017.7	23,644.6
1919	2,228.6	26,474	43.5	308	194.5	1,464.3	89.0	717.4	2,377.6	27,528.6
1920	1,935.8	22,995	149.5	1,059	111.6	840.1	69.6	561.8	2,127.2	24,332.1
1921	1,579.3	18,761	86.5	624	137.3	1,034.1	68.9	555.7	1,734.3	19,863.5
1922	1,640.3	14,140	97.8	710	133.6	1,005.7	53.3	430.5	1,818.3	15,425.5
1923	1,943.6	16,819	27.3	197	284.1	2,139.5	57.5	464.1	2,197.5	18,691.1
1924	2,317.0	24,261	39.9	290	248.4	1,870.8	62.9	507.4	2,542.4	25,914.3
1925	2,496.5	24,454	114.9	846	228.8	1,722.8	72.8	587.7	2,767.4	26,435.5
1926	1,916.2	18,637	99.1	719	180.2	1,356.5	64.8	522.9	2,130.6	20,189.9
1927	2,065.6	20,114	209.1	1,508	255.6	1,924.9	83.9	677.0	2,446.4	22,870.0
1928	1,491.5	15,215	144.1	1,033	144.6	1,088.9	71.5	577.2	1,708.7	16,759.5
1929	1,520.9	15,661	110.1	855	171.3	1,289.6	80.7	715.8	1,721.5	17,090.0
1930	1,644.9	16,922	117.0	851	229.4	1,727.1	82.0	661.4	1,909.4	18,838.4

Continued ...

Table 169. Continued

	I	II	III	IV	V	VI	VII	VIII	IX	X
	Total Catch		Catch of N.W. U.S.A. Fish by B.C.		Catch of N.W. U.S.A. Fish in Alaska		Catch by N.W. U.S.A. of Fish Bound for B.C.		Net Production	
Year	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1931	1,665.1	17,774	198.8	1,424	173.0	1,303.0	63.8	515.1	1,973.1	19,985.5
1932	1,409.0	14,835	128.3	933	235.7	1,774.6	53.3	429.9	1,719.7	17,112.9
1933	1,600.7	15,756	96.1	703	160.6	1,209.5	58.8	474.5	1,798.7	17,193.7
1934	1,517.9	15,001	844.8	6,164	127.5	959.8	59.4	479.5	2,430.7	21,645.4
1935	1,607.8	12,929	657.3	4,692	241.2	1,816.3	31.9	300.7	2,474.3	19,136.9
1936	1,723.0	14,113	467.4	3,301	256.1	1,928.4	34.5	314.2	2,412.0	19,028.0
1937	1,904.3	15,452	309.3	2,218	330.7	2,490.1	37.5	328.2	2,506.8	19,832.1
1938	1,227.5	10,514	98.5	696	284.7	2,143.6	22.5	209.2	1,588.2	13,144.8
1939	1,193.3	10,513	86.0	621	245.2	1,846.3	23.7	226.2	1,500.7	12,754.1
1940	1,635.7	13,650	89.1	631	161.1	1,212.9	32.2	297.5	1,853.7	15,196.3
1941	1,899.6	14,772	203.9	1,412	230.5	1,735.3	33.3	299.3	2,300.6	17,619.6
1942	1,781.0	14,545	145.3	1,049	210.0	1,581.0	26.2	208.7	2,110.1	16,966.6
1943	1,416.6	11,219	292.5	2,054	149.9	1,129.1	28.1	239.9	1,831.0	14,161.9
1944	1,817.1	13,912	104.2	757	123.4	929.5	25.7	231.8	2,019.0	15,366.9
1945	2,127.8	15,842	150.8	1,079	164.7	1,240.4	32.6	295.9	2,410.6	17,865.5
1946	2,329.6	17,251	292.7	2,107	213.8	1,609.6	31.0	259.8	2,805.0	20,707.9
1947	2,272.7	17,319	396.3	2,366	186.5	1,404.6	24.8	202.8	2,830.6	20,886.3
1948	1,891.1	14,471	223.1	2,660	180.5	1,359.3	23.0	187.0	2,271.6	18,302.9
1949	1,472.6	11,366	283.0	1,779	180.5	1,359.3	26.0	217.6	1,910.0	14,286.2
1950	1,513.8	10,835	283.0	1,780	142.4	1,072.2	23.2	182.4	1,916.0	13,504.9
1951	1,685.8	12,225	342.2	2,775	182.7	1,376.0	28.1	252.9	2,182.5	16,122.9
1952	1,657.9	11,760	393.2	3,182	191.1	1,438.7	33.1	283.7	2,209.1	16,096.8
1953	1,590.3	11,302	445.7	3,562	198.0	1,490.9	33.8	262.4	2,200.1	16,092.6
1954	1,671.2	11,191	366.2	2,864	151.3	1,139.0	31.6	247.1	2,157.1	14,946.7
1955	2,206.8	14,077	394.4	3,119	152.6	1,149.0	31.6	242.9	2,722.1	18,102.3
1956	2,055.0	13,263	485.8	4,028	83.4	627.9	25.6	190.5	2,598.5	17,728.5
1957	1,493.5	9,150	452.1	3,598	127.7	961.9	28.0	189.5	2,045.3	13,520.4
1958	1,183.6	7,632	410.8	3,255	124.1	934.6	24.5	158.4	1,694.0	11,663.2
1959	1,133.6	7,733	367.6	2,921	142.8	1,075.4	22.9	161.4	1,621.1	11,568.5
1960	1,144.2	7,234	278.7	2,198	122.7	950.1	31.1	252.3	1,514.4	10,129.6
1961	1,429.0	8,905	273.7	2,201	83.0	863.7	34.2	265.8	1,751.4	11,703.4
1962	1,134.2	7,854	276.1	2,190	79.2	504.4	26.2	200.0	1,463.3	10,348.8
1963	1,387.5	8,627	304.6	1,753	108.8	784.6	42.5	309.9	1,[illegible]58.4	10,854.9
1964	1,398.9	8,299	381.4	2,396	156.5	1,014.0	34.1	270.3	1,902.7	11,438.6
1965	1,322.4	9,173	429.8	2,517	138.4	680.5	31.7	272.3	1,858.9	12,098.0
1966	1,150.4	7,444	547.0	3,264	145.0	974.3	45.2	360.6	1,797.2	11,322.1
1967	964.2	6,800	480.0	2,957	115.0	775.7	88.0	678.5	1,471.2	9,854.6
1968	1,115.1	6,932	503.0	3,226	132.6	795.5	89.0	707.8	1,661.7	10,245.4
1969	1,340.9	8,161	545.0	3,218	133.8	1,035.4	84.0	666.8	1,935.7	11,747.2
1970	1,464.1	9,493	526.0	2,860	155.5	1,112.2	63.0	514.0	2,082.6	12,951.6
1971	1,313.3	8,738	749.3	4,089	158.1	1,189.2	87.5	661.7	2,133.2	13,354.2
1972	1,301.8	8,534	706.6	3,803	115.6	1,011.5	59.4	468.7	2,064.6	12,879.5
1973	2,158.8	13,164	699.8	3,716	164.0	1,215.6	61.1	485.3	2,961.5	17,610.4
1974	1,478.7	8,976	732.4	3,813	157.9	1,220.6	62.1	491.5	2,306.9	13,518.5
1975	1,650.9	10,765	652.9	3,366	148.4	1,135.5	93.8	700.5	2,358.4	14,566.1
1976	1,548.4	9,695	786.1	3,958	105.5	853.4	73.7	510.2	2,366.3	13,996.4
1977	1,791.7	10,618	684.5	3,440	123.8	843.1	95.0	641.1	2,505.0	14,259.6
1978	1,351.7	8,475	629.5	3,628	214.9	1,463.5	95.0	626.9	2,101.1	12,940.0
1979	1,454.1	8,815	567.3	2,915	158.3	1,078.0	60.7	372.8	2,119.0	12,435.2
1980	1,370.0	8,332	553.6	2,910	101.2	689.2	75.4	468.1	1,949.4	11,463.4
1981	1,176.0	6,847	466.9	2,434	98.3	669.2	59.8	371.1	1,681.4	9,579.2
1982	1,242.3	9,025	557.6	3,201	147.8	1,006.5	67.6	421.0	1,880.1	12,811.5

Sources Columns I & II: Tables 132 & 133. Columns III & IV: Table 127. Column V: 1889-1959, Table 164; 1960-1966, Tables 158 & 159; 1967-1982, from Fletcher (1984). Column VI: Column V converted at av. ann. wt./fish from Wash. Dept. Fish. Stat. Rept. for 1974-1982. Column VII: Column I+Column III-Column V. Column IX: Column II+Column IV-Column VI.

Table 170. Canadian commercial catches of salmon in the Yukon river, 1903-1980.

	I	II	III	IV	V
	CHUM		CHINOOK		TOTAL
Year	Numbers	Tonnes	Numbers	Tonnes	Tonnes
1903	2,121	6.7	2,522	25.0	31.7
1904					
1905					
1906					
1907					
1908	3,182	10.1	3,784	37.5	47.6
1909	4,200	13.3	4,994	49.5	62.9
1910					
1911					
1912					
1913	5,516	17.5	6,559	65.1	82.6
1914	5,716	18.1	6,797	67.4	85.5
1915	4,758	15.1	5,658	56.1	71.2
1916	4,349	13.8	5,171	51.3	65.1
1917	0	0.0	0	0.0	0.0
1918	3,212	10.2	3,820	37.9	48.1
1919	818	2.6	973	9.7	12.2
1920	5,455	17.3	6,487	64.4	81.6
1921	4,928	15.6	5,860	58.1	73.8
1922	1,100	3.5	1,308	13.0	16.5
1923	833	2.6	991	9.8	12.5
1924	2,073	6.6	2,465	24.5	31.0
1925	1,773	5.6	2,108	20.9	26.5
1926	1,988	6.3	2,364	23.5	29.8
1927	2,439	7.7	2,901	28.8	36.5
1928	2,606	8.3	3,099	30.7	39.0
1929	2,394	7.6	2,847	28.2	35.8
1930	1,664	5.3	1,979	19.6	24.9
1931	1,579	5.0	1,877	18.6	23.6
1932	1,909	6.1	2,271	22.5	28.6
1933	1,515	4.8	1,802	17.9	22.7
1934	909	2.9	1,081	10.7	13.6
1935	1,576	5.0	1,874	18.6	23.6
1936	1,546	4.9	1,838	18.2	23.1
1937	1,703	5.4	2,025	20.1	25.5
1938	391	1.2	465	4.6	5.9
1939	327	1.0	389	3.9	4.9

Continued ...

Table 170. Continued

	I	II	III	IV	V
	CHUM		CHINOOK		TOTAL
Year	Numbers	Tonnes	Numbers	Tonnes	Tonnes
1940	524	1.7	623	6.2	7.8
1941	1,276	4.0	1,517	15.0	19.1
1942	324	1.0	385	3.8	4.9
1943	277	0.9	329	3.3	4.1
1944	448	1.4	533	5.3	6.7
1945	606	1.9	721	7.1	9.1
1946	160	0.5	191	1.9	2.4
1947	55	0.2	65	0.6	0.8
1948					
1949					
1950					
1951					
1952					
1953					
1954					
1955					
1956					
1957					
1958	1,500	4.8	3,000	29.8	34.5
1959	1,098	3.5	2,477	24.6	28.1
1960	5,493	17.4	4,085	40.5	57.9
1961	3,278	10.4	3,446	34.2	44.6
1962	936	3.0	4,037	40.0	43.0
1963	2,192	6.9	2,283	22.6	29.6
1964	1,929	6.1	3,208	31.8	37.9
1965	2,071	6.6	2,265	22.5	29.0
1966	3,157	10.0	1,942	19.3	29.3
1967	3,343	10.6	2,187	21.7	32.3
1968	435	1.4	2,212	21.9	23.3
1969	2,279	7.2	1,640	16.3	23.5
1970	2,479	7.9	2,611	25.9	33.8
1971	1,761	5.6	3,178	31.5	37.1
1972	2,532	8.0	1,769	17.5	25.6
1973	2,228	7.1	1,871	18.6	25.6
1974	3,010	9.5	2,214	22.0	31.5
1975	2,500	7.9	3,000	29.8	37.7
1976	1,000	3.2	3,500	34.7	37.9
1977	3,990	12.6	4,620	45.8	58.5
1978	3,356	10.6	2,975	29.5	40.2
1979	9,084	28.8	6,175	61.3	90.1
1980	9,000	28.5	9,500	94.2	122.8

Sources Columns I & III: 1903-1947, From Column V, assuming chums formed 45.7% of the catch and average weights of 3.17 kg per chum and 9.92 kg per chinook; 1958-1980, From Alaska Dept. Fish Game (1980), Appendix Table 1. Columns II & IV: 1903-1947, Prorated from Column V as outlined in footnote above; 1958-1980, Converted from Columns I and III at 3.17 kg per chum and 9.92 kg per chinook. Column V: From Alaska Dept. Fish Game (1980), Appendix Table 1.

Table 171. Canadian commercial catches on the Stikine and Taku Rivers, in numbers of fish, 1975-1982.

	Sockeye		Pink		Chum		Coho		Chinook	
Year	Numbers	Tonnes	Numbers	Tonnes	Numbers	Tonnes	Numbers	Tonnes	Numbers	Tonnes
STIKINE										
1975	270	0.9							178	NA
1976	733	2.3					25	NA	236	NA
1977	1,975	6.3					32	NA	62	NA
1978	1,500	4.8							100	NA
1979	10,534	34.0	[illegible]	4.0	424	2.0	10,720	43.0	775	5.0
1980	16,416	49.0	[illegible]	1.0	731	3.0	6,630	27.0	1,451	11.0
1981	20,504	67.1	3,522	6.4	1,126	5.5	3,036	10.2	875	6.2
1982	15,436	48.7	1,781	2.4	736	4.2	16,015	69.3	1,925	21.1
TAKU										
1979	11,987	39.0	13,317	22.0	15,170	71.0	6,013	27.0	66	*
1980	20,716	69.0	26,498	42.0	18,480	89.0	6,323	29.0	172	1.0
1981	9,496	30.1	9,937	18.2	5,645	31.7	3,532	15.8	120	1.1
1982	3,144	4.5	170	0.1	3	*	50	*	54	0.1

Sources 1979-1982, B.C. Catch Statistics for 1979-1982; 1975-1978, Dept. Fish. Oceans, unpub.

Table 172. Estimated production of sockeye salmon from the Canadian sections of rivers draining to the sea through Alaska, 1892-1982.

	I	II	III	IV	V	VI	VII	VIII	IX	X
	Canadian Landings									
	Stikine River		Taku River		Total Catch		Interceptions by Alaska		Net Production	
Year	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1892							1.3	4	1.3	3.8
1893							7.9	22	7.9	22.4
1894							7.3	21	7.3	20.6
1895							9.2	26	9.2	26.1
1896							46.3	131	46.3	131.5
1897							30.0	85	30.0	85.3
1898							27.7	79	27.7	78.8
1899							25.2	72	25.2	71.7
1900							29.6	84	29.6	84.1
1901							32.2	91	32.2	91.5
1902							43.0	122	43.0	122.2
1903							34.3	97	34.3	97.4
1904							139.1	395	139.1	395.0
1905							190.2	540	190.2	540.2
1906							137.1	389	137.1	389.4
1907							88.9	253	88.9	252.5
1908							157.1	446	157.1	446.2
1909							169.4	481	169.4	481.0
1910							184.4	524	184.4	523.6
1911							140.6	399	140.6	399.2
1912							130.8	371	130.8	371.5
1913							88.7	252	88.7	251.8
1914							114.0	324	114.0	323.8
1915							132.2	375	132.2	375.3
1916							147.4	419	147.4	418.6
1917							272.0	772	272.0	772.3
1918							222.6	632	222.6	632.1
1919							214.7	610	214.7	609.6
1920							203.9	579	203.9	579.0
1921							113.4	322	113.4	322.2
1922							128.1	364	128.1	363.7
1923							175.2	498	175.2	497.6
1924							165.4	470	165.4	469.7
1925							125.1	355	125.1	355.3
1926							148.2	421	148.2	420.9
1927							99.4	282	99.4	282.3
1928							122.9	349	122.9	349.1
1929							173.0	491	173.0	491.4
1930							235.5	669	235.5	668.7

Continued ...

Table 172. Continued

	I	II	III	IV	V	VI	VII	VIII	IX	X
	Canadian Landings									
	Stikine River		Taku River		Total Catch		Interceptions by Alaska		Net Production	
Year	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1931							165.9	471	165.9	471.2
1932							150.3	427	150.3	427.0
1933							92.0	261	92.0	261.2
1934							113.0	321	113.0	321.0
1935							172.2	489	172.2	489.2
1936							218.7	621	218.7	621.1
1937							199.0	565	199.0	565.3
1938							230.7	655	230.7	655.2
1939							226.3	643	226.3	642.8
1940							137.2	390	137.2	389.5
1941							152.4	433	152.4	432.7
1942							142.6	405	142.6	404.8
1943							102.3	290	102.3	290.4
1944							156.7	445	156.7	445.1
1945							153.2	435	153.2	435.0
1946							80.8	230	80.8	229.5
1947							67.9	193	67.9	192.8
1948							47.7	136	47.7	135.6
1949							44.6	127	44.6	126.6
1950							50.3	143	50.3	142.7
1951							125.3	356	125.3	355.8
1952							113.3	322	113.3	321.9
1953							113.6	323	113.6	322.7
1954							113.9	323	113.9	323.4
1955							69.4	197	69.4	197.0
1956							70.0	199	70.0	198.9
1957							78.2	222	78.2	222.2
1958							59.4	169	59.4	168.7
1959							47.0	134	47.0	133.5
1960							51.6	147	51.6	146.6
1961							68.9	196	68.9	195.7
1962							61.4	174	61.4	174.4
1963							75.3	214	75.3	213.8
1964							103.3	293	103.3	293.4
1965							110.7	314	110.7	314.4
1966							151.9	431	151.9	431.3
1967							79.0	224	79.0	224.4
1968							80.0	227	80.0	227.2
1969							105.0	298	105.0	298.2
1970							94.0	267	94.0	267.0
1971							115.3	327	115.3	327.5
1972							115.3	327	115.3	327.5
1973							144.4	410	144.4	410.1
1974							72.0	204	72.0	204.5
1975	0.3	0.9			0.3	0.9	50.2	143	50.5	143.5
1976	0.7	2.3			0.7	2.3	76.7	218	77.4	220.1
1977	2.0	6.3			2.0	6.3	162.8	462	164.8	468.7
1978	1.5	4.8			1.5	4.8	109.8	312	111.3	316.6
1979	10.5	34.0	12.0	39.0	22.5	73.0	154.0	437	176.5	510.4
1980	16.4	49.0	20.7	69.0	37.1	118.0	153.0	435	190.1	552.5
1981	20.5	67.1	9.5	30.1	30.0	97.2	175.0	497	205.0	594.2
1982	15.4	48.7	3.1	4.5	18.6	53.2	143.0	406	161.6	459.3

Sources Columns I-IV: Table 171. Column V: Table 99. Column VI: Table 105. Column VII: Columns V+VII.
Column X: Columns VI+VIII.

Table 173. Estimated production of even-year pink salmon from the Canadian sections of rivers draining to the sea through Alaska, 1902-1982.

	I	II	III	IV	V	VI	VII	VIII	IX	X
	Canadian Landings									
	Stikine River		Taku River		Total Catch		Interceptions by Alaska		Net Production	
Year	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1902							1.3	2	1.3	2
1904							0.9	1	0.9	1
1906							3.7	6	3.7	6
1908							19.2	33	19.2	33
1910							3.2	6	3.2	6
1912							9.9	17	9.9	17
1914							12.7	22	12.7	22
1916							45.4	78	45.4	78
1918							15.8	27	15.8	27
1920							25.0	43	25.0	43
1922							8.7	15	8.7	15
1924							22.0	38	22.0	38
1926							21.5	37	21.5	37
1928							108.2	187	108.2	187
1930							130.4	226	130.4	226
1932							67.8	117	67.8	117
1934							151.0	261	151.0	261
1936							152.2	263	152.2	263
1938							90.9	157	90.9	157
1940							87.3	151	87.3	151
1942							99.4	172	99.4	172
1944							58.0	100	58.0	100
1946							74.5	129	74.5	129
1948							43.1	74	43.1	74
1950							28.3	49	28.3	49
1952							58.8	102	58.8	102
1954							33.4	58	33.4	58
1956							13.9	24	13.9	24
1958							78.9	136	78.9	136
1960							28.7	50	26.7	50
1962							22.8	39	22.8	39
1964							75.1	130	75.1	130
1966							88.6	153	88.6	153
1968							87.0	151	87.0	151
1970							104.2	180	104.2	180
1972							77.7	134	77.7	134
1974							34.3	59	34.3	59
1976							14.5	25	14.5	25
1978							37.0	64	37.0	64
1980	0.7	1.0	26.5	42.0	27.2	43.0	164.0	284	191.2	327
1982	1.8	2.4	0.2	0.1	2.0	2.5	438.3	758	440.3	761

Sources Columns I-IV: Table 171. Column V: Table 100. Column VI: Table 106. Column VII: Columns V+VII.
Column X: Columns VI+VIII.

Table 174. Estimated production of odd-year pink salmon from the Canadian sections of rivers draining to the sea through Alaska, 1897-1981.

	I	II	III	IV	V	VI	VII	VIII	IX	X
	Canadian Landings									
	Stikine River		Taku River		Total Catch		Interceptions by Alaska		Net Production	
Year	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1897							7.1	13.0	7.1	13.0
1899										
1901							2.5	4.5	2.5	4.5
1903										
1905							8.8	16.0	8.8	16.0
1907							19.0	34.6	19.0	34.6
1909							6.9	12.6	6.9	12.6
1911							30.0	54.5	30.0	54.5
1913							15.8	28.8	15.8	28.8
1915							85.1	155.0	85.1	155.0
1917							95.1	173.1	95.1	173.1
1919							59.3	108.0	59.3	108.0
1921							45.4	82.7	45.4	82.7
1923							20.4	37.2	20.4	37.2
1925							18.2	33.2	18.2	33.2
1927							38.2	69.5	38.2	69.5
1929							65.5	119.3	65.5	119.3
1931							81.7	148.7	81.7	148.7
1933							77.3	140.8	77.3	140.8
1935							90.7	165.2	90.7	165.2
1937							105.5	192.0	105.5	192.0
1939							71.2	129.5	71.2	129.5
1941							180.2	327.9	180.2	327.9
1943							54.1	98.5	54.1	98.5
1945							65.0	118.2	65.0	118.2
1947							42.1	76.7	42.1	76.7
1949							131.8	239.8	131.8	239.8
1951							96.8	176.2	96.8	176.2
1953							11.5	21.0	11.5	21.0
1955							22.9	41.7	22.9	41.7
1957							8.1	14.7	8.1	14.7
1959							62.7	114.1	62.7	114.1
1961							183.0	333.1	183.0	333.1
1963							376.8	685.7	376.8	685.7
1965							4.8	8.8	4.8	8.8
1967							13.0	23.7	13.0	23.7
1969							71.0	129.2	71.0	129.2
1971							43.3	78.8	43.3	78.8
1973							44.5	81.0	44.5	81.0
1975							14.9	27.1	14.9	27.1
1977							65.3	118.8	65.3	118.8
1979	2.0	4.0	13.3	22.0	15.3	26.0	149.0	271.2	164.3	297.2
1981	3.5	6.4	9.9	18.2	13.5	24.6	249.0	453.2	262.5	477.8

Sources Columns I-IV: Table 171. Column V: Table 101. Column VI: Table 107. Column VII: Columns V+VII.
Column X: Columns VI+VIII.

Table 175. Estimated production of chum salmon from the Canadian sections of rivers draining to the sea through Alaska, 1903-1982.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV
	Canadian Landings						Interceptions of Canadian Fish by:							
	Yukon River		Stikine River		Taku River		Alaska (Yukon)		Alaska (SE)		Japan		Net Production	
Year	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1903	2.1	6.7											2.1	7
1904														
1905														
1906									3.0	13			3.0	13
1907									46.5	199			46.5	199
1908	3.2	10.1							15.4	66			18.6	76
1909	4.2	13.3							2.0	8			6.2	22
1910									19.6	84			19.6	84
1911									40.8	174			40.8	174
1912									45.8	196			45.8	196
1913	5.5	17.5							8.9	38			14.4	55
1914	5.7	18.1							32.8	140			38.5	158
1915	4.8	15.1							18.5	79			23.3	94
1916	4.3	13.8							59.9	256			64.2	269
1917									27.9	119			27.9	119
1918	3.2	10.2					14.8	46.9	8.5	36			26.5	93
1919	0.8	2.6					65.6	207.9	70.4	300			136.8	511
1920	5.5	17.3					31.1	98.7	46.5	199			83.1	315
1921	4.9	15.6					22.2	70.4	13.5	58			40.7	144
1922	1.1	3.5							23.7	101			24.8	105
1923	0.8	2.6							10.4	45			11.3	47
1924	2.1	6.6							18.0	77			20.1	83
1925	1.8	5.6							22.1	94			23.8	100
1926	2.0	6.3							21.0	90			23.0	96
1927	2.4	7.7							12.1	52			14.5	59
1928	2.6	8.3							34.1	146			36.7	154
1929	2.4	7.6							18.4	79			20.8	86
1930	1.7	5.3							19.0	81			20.6	86

Continued ...

Table 175. Continued

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV
	Canadian Landings						Interceptions of Canadian Fish by:							
	Yukon River		Stikine River		Taku River		Alaska (Yukon)		Alaska (SE)		Japan		Net Production	
Year	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1931	1.6	5.0							20.0	85			21.5	90
1932	1.9	6.1							39.2	167			41.1	173
1933	1.5	4.8							31.8	136			33.3	141
1934	0.9	2.9							26.6	114			27.5	117
1935	1.6	5.0							35.6	152			37.2	157
1936	1.5	4.9							53.2	227			54.8	232
1937	1.7	5.4							38.9	166			40.6	171
1938	0.4	1.2							31.9	136			32.3	137
1939	0.3	1.0							23.7	101			24.0	102
1940	0.5	1.7							32.4	138			32.9	140
1941	1.3	4.0							20.7	88			22.0	93
1942	0.3	1.0							38.1	163			38.4	164
1943	0.3	0.9							47.8	204			48.1	205
1944	0.4	1.4							48.2	206			48.6	207
1945	0.6	1.9							23.2	99			23.8	101
1946	0.2	0.5							28.1	120			28.2	120
1947	0.1	0.2							23.5	100			23.6	101
1948									28.0	120			28.0	120
1949									20.3	87			20.3	87
1950									33.5	143			33.5	143
1951									14.9	64			14.9	64
1952									36.3	155			36.3	155
1953							1.2	3.8	45.6	195			46.8	199
1954							2.9	9.1	85.5	365			88.3	374
1955									20.3	87			20.3	87
1956							2.1	6.8	49.8	213	19.0	37.0	70.9	256
1957									91.3	390	5.2	9.5	96.5	399
1958	1.5	4.8							47.4	202			48.9	207
1959	1.1	3.5							28.0	120	2.9	5.3	32.0	128
1960	5.5	17.4							36.2	155	22.6	44.3	64.3	216
1961	3.3	10.4					8.5	27.0	32.2	137	7.9	16.8	51.9	192
1962	0.9	3.0					10.6	33.7	24.5	104	4.6	9.7	40.6	151
1963	2.2	6.9							38.1	163	6.9	14.3	47.2	184
1964	1.9	6.1					1.7	5.3	14.1	60	16.9	35.0	34.6	107
1965	2.1	6.6					4.7	14.8	10.5	45	11.8	22.7	29.1	89
1966	3.2	10.0					14.2	45.0	38.2	163	13.9	29.7	69.5	248
1967	3.3	10.6					9.9	31.4	24.0	102	10.7	22.2	47.9	167
1968	0.4	1.4					13.5	42.7	25.0	107	19.8	41.2	58.7	192
1969	2.3	7.2					38.4	121.6	15.0	64	22.4	45.2	78.0	238
1970	2.5	7.9					71.3	226.2	84.0	359	37.7	77.8	195.5	670
1971	1.8	5.6					57.9	183.7	71.6	306	32.6	62.4	163.9	557
1972	2.5	8.0					57.6	182.5	125.4	535	43.7	77.1	229.2	803
1973	2.2	7.1					103.6	328.4	103.4	442	16.8	29.9	226.0	807
1974	3.0	9.5					175.8	557.4	72.9	311	26.8	49.6	278.5	928
1975	2.5	7.9					197.0	624.4	11.2	48	16.4	28.3	227.1	708
1976	1.0	3.2					152.3	482.8	51.9	222	28.1	48.1	233.3	756
1977	4.0	12.6					159.5	505.7	43.4	185	39.0	67.2	245.9	771
1978	3.4	10.6					257.8	817.1	28.7	123	1.0	2.2	290.9	953
1979	9.1	28.8	0.4	2.0	15.2	71.0	233.2	739.2	47.0	201	5.6	10.8	310.5	1,052
1980	9.0	28.5	0.7	3.0	18.5	89.0	271.2	859.6	164.0	700	5.1	10.9	468.5	1,691
1981			1.1	5.5	5.6	31.7			63.0	269	3.6	7.5	73.4	314
1982			0.7	4.2					33.0	141	4.9	10.5	38.7	156

Sources Columns I & II; Table 170. Columns III-VI: Table 171. Column VII: Table 102. Column VIII: Table 107. Column IX: Columns I+III+V+VI. Column X: Columns II+IV+VI+VIII.

Table 176. Estimated production of coho salmon from the Canadian sections of rivers draining to the sea through Alaska, 1896-1982.

	I	II	III	IV	V	VI	VII	VIII	IX	X
	Canadian Landings									
	Stikine River		Taku River		Total Catch		Interceptions by Alaska		Net Production	
Year	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1896							21.0	76	21.0	76.2
1897							13.8	50	13.8	50.1
1898										
1899										
1900										
1901							82.7	300	82.7	300.3
1902							30.8	112	30.8	111.7
1903										
1904							39.0	142	39.0	141.6
1905							27.6	100	27.6	100.0
1906							38.6	140	38.6	140.0
1907							39.8	144	39.8	144.5
1908							33.5	122	33.5	121.7
1909							48.6	176	48.6	176.5
1910							78.3	284	78.3	284.3
1911							43.1	156	43.1	156.5
1912							78.0	283	78.0	283.3
1913							33.9	123	33.9	123.1
1914							69.1	251	69.1	250.9
1915							60.2	219	60.2	218.6
1916							122.8	446	122.8	445.9
1917							82.0	298	82.0	297.6
1918							48.4	176	48.4	175.8
1919							81.8	297	81.8	296.9
1920							51.2	186	51.2	185.8
1921							77.8	282	77.8	282.3
1922							73.6	267	73.6	267.0
1923							55.4	201	55.4	201.2
1924							50.0	182	50.0	181.6
1925							61.7	224	61.7	224.0
1926							33.3	121	33.3	121.0
1927							59.5	216	59.5	216.0
1928							95.5	347	95.5	346.5
1929							63.5	231	63.5	230.6
1930							97.2	353	97.2	352.8

Continued ...

Table 176. Continued

	I	II	III	IV	V	VI	VII	VIII	IX	X
	Canadian Landings									
	Stikine River		Taku River		Total Catch		Interceptions by Alaska		Net Production	
Year	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1931							58.6	213	58.6	212.6
1932							73.7	268	73.7	267.5
1933							67.6	245	67.6	245.3
1934							112.4	408	112.4	408.0
1935							105.0	381	105.0	381.1
1936							111.4	404	111.4	404.2
1937							89.7	326	89.7	325.6
1938							145.8	529	145.8	529.3
1939							76.9	279	76.9	279.0
1940							130.0	472	130.0	471.8
1941							183.4	666	183.4	665.7
1942							166.1	603	166.1	603.0
1943							129.9	472	129.9	471.7
1944							103.9	377	103.9	377.1
1945							211.5	768	211.5	767.9
1946							198.7	721	198.7	721.3
1947							133.2	484	133.2	483.6
1948							189.6	688	189.6	688.4
1949							206.5	750	206.5	749.7
1950							153.3	556	153.3	556.4
1951							281.4	1,022	281.4	1,021.6
1952							145.4	528	145.4	527.7
1953							139.6	507	139.6	506.7
1954							161.8	587	161.8	587.4
1955							119.5	434	119.5	433.7
1956							92.8	337	92.8	337.0
1957							91.6	332	91.6	332.3
1958							96.7	351	96.7	351.1
1959							129.5	470	129.5	470.0
1960							57.6	209	57.6	209.2
1961							65.6	238	65.6	238.1
1962							81.0	294	81.0	294.0
1963							143.6	521	143.6	521.1
1964							173.3	629	173.3	629.1
1965							154.1	560	154.1	559.5
1966							109.5	397	109.5	397.3
1967							90.0	327	90.0	326.7
1968							140.0	508	140.0	508.2
1969							49.0	178	49.0	177.9
1970							107.2	389	107.2	389.1
1971							85.9	312	85.9	311.8
1972							131.4	477	131.4	477.0
1973							190.3	691	190.3	690.8
1974							92.5	336	92.5	335.8
1975							100.3	364	100.3	364.1
1976	0.03	NA			0.03	NA	76.5	278	76.5	277.7
1977	0.03	NA			0.03	NA	91.2	331	91.2	331.1
1978							108.3	393	108.3	393.1
1979	10.7	43.0	6.0	27.0	16.7	70.0	62.0	225	78.7	295.1
1980	6.6	27.0	6.3	29.0	13.0	56.0	120.9	439	133.9	494.9
1981	3.0	10.2	3.5	15.8	6.6	26.0	92.0	334	98.6	360.0
1982	16.0	69.3	0.1	<0.5	16.1	69.3	87.3	317	103.4	386.2

Sources Columns I-IV: Table 171. Column V: Table 103. Column VI: Table 109. Column VII: Columns V+VII.
Column X: Columns VI+VIII.

Table 177. Estimated production of chinook salmon from the Canadian sections of rivers draining to the sea through Alaska, 1895-1982.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV
	Canadian Landings						Interceptions of Canadian Fish by:							
	Yukon River		Stikine River		Taku River		Alaska (Yukon)		Alaska (SE)		Japan		Net Production	
Year	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1895									2.6	20			2.6	19.8
1896									3.2	24			3.2	23.8
1897									3.7	28			3.7	28.2
1898									6.9	52			6.9	51.6
1899									9.8	74			9.8	73.6
1900									18.1	136			18.1	136.5
1901									15.8	119			15.8	118.8
1902									20.9	157			20.9	157.2
1903	2.5	25.0							2.0	15			4.5	39.9
1904									28.5	214			28.5	214.4
1905									26.8	202			26.8	202.0
1906									18.3	138			18.3	137.5
1907									26.9	202			26.9	202.2
1908	3.8	37.5							43.1	324			46.9	361.9
1909	5.0	49.5							41.7	314			46.7	363.8
1910									49.6	374			49.6	373.7
1911									67.3	507			67.3	506.8
1912									55.9	421			55.9	420.8
1913	6.6	65.1							47.6	358			54.1	423.3
1914	6.8	67.4							54.2	408			61.0	475.4
1915	5.7	56.1							49.2	370			54.8	426.3
1916	5.2	51.3							53.1	400			58.3	451.1
1917									74.2	559			74.2	559.0
1918	3.8	37.9					4.9	48.6	79.9	602			88.7	688.5
1919	1.0	9.7					41.9	415.9	116.6	878			159.5	1,303.5
1920	6.5	64.4					23.4	232.0	99.8	751			129.6	1,047.6
1921	5.9	58.1					27.9	276.4	104.2	784			137.9	1,118.8
1922	1.3	13.0					6.7	66.8	57.7	434			65.7	513.9
1923	1.0	9.8					5.4	53.1	185.8	1,399			192.1	1,461.8
1924	2.5	24.5					11.0	108.6	203.4	1,531			216.8	1,664.4
1925	2.1	20.9							106.0	798			108.1	819.0
1926	2.4	23.5							77.7	585			80.1	608.7
1927	2.9	28.8							96.5	727			99.4	755.4
1928	3.1	30.7							75.8	571			78.9	601.3
1929	2.8	28.2							89.7	676			92.6	703.9
1930	2.0	19.6							120.2	905			122.1	924.5

Continued ...

Table 177. Continued

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV
	Canadian Landings						Interceptions of Canadian Fish by:							
	Yukon River		Stikine River		Taku River		Alaska (Yukon)		Alaska (SE)		Japan		Net Production	
Year	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes	1000 fish	Tonnes
1931	1.9	18.6							90.7	683			92.5	701.3
1932	2.3	22.5					1.9	18.8	123.5	930			127.6	971.1
1933	1.8	17.9					3.5	35.0	84.2	634			89.5	686.6
1934	1.1	10.7					10.1	100.6	66.8	503			78.0	614.2
1935	1.9	18.6					2.9	28.8	126.4	952			131.2	999.0
1936	1.8	18.2					8.4	83.2	134.2	1,010			144.4	1,111.8
1937	2.0	20.1					2.5	24.7	173.3	1,305			177.8	1,349.5
1938	0.5	4.6					5.5	54.5	149.1	1,123			155.1	1,182.2
1939	0.4	3.9					4.0	39.6	128.5	967			132.8	1,010.8
1940	0.6	6.2					7.2	71.6	84.4	635			92.2	713.3
1941	1.5	15.0					12.0	118.7	120.7	909			134.2	1,042.9
1942	0.4	3.8					9.0	89.2	110.0	828			119.4	921.4
1943	0.3	3.3					11.1	109.7	78.6	592			90.0	704.6
1944	0.5	5.3					5.7	56.5	64.7	487			70.9	548.8
1945	0.7	7.1					7.9	78.3	86.3	650			94.9	735.3
1946	0.2	1.9					9.1	90.4	112.0	843			121.3	935.6
1947	0.1	0.6					21.6	214.4	97.7	736			119.4	950.9
1948							13.5	134.3	94.6	712			108.1	846.5
1949							14.6	144.4	94.6	712			109.1	856.5
1950							16.7	165.9	74.6	562			91.3	727.7
1951							22.5	223.3	90.8	684			113.4	907.3
1952							15.5	153.3	124.3	936			139.7	1,089.2
1953							23.5	233.6	94.0	707			117.5	941.0
1954							25.8	256.1	87.1	656			112.9	911.8
1955							22.4	221.9	78.2	589			100.6	811.1
1956							24.9	246.8	61.5	463	3.9	11.8	90.3	721.5
1957							25.4	252.5	55.5	418	1.1	3.2	82.0	673.8
1958	3.0	29.8					25.4	251.5	67.5	509	0.4	1.2	96.2	791.1
1959	2.5	24.6					31.3	311.0	74.7	563	2.0	5.8	110.5	904.0
1960	4.1	40.5					27.0	268.2	56.6	418	9.5	26.3	97.1	753.0
1961	3.4	34.2					48.1	477.2	48.5	286	1.0	3.3	101.0	800.6
1962	4.0	40.0					37.9	375.9	45.2	373	2.1	7.6	89.2	797.0
1963	2.3	22.6					46.8	464.2	29.9	232	2.9	8.0	81.9	727.1
1964	3.2	31.8					37.4	371.4	38.9	325	17.9	49.4	97.5	777.3
1965	2.3	22.5					47.2	468.6	28.2	242	7.4	18.9	85.1	751.8
1966	1.9	19.3					37.3	370.3	34.1	235	7.8	23.1	81.2	647.3
1967	2.2	21.7					51.9	514.7	62.0	425	4.9	14.2	121.0	975.3
1968	2.2	21.9					42.6	422.7	63.0	463	15.9	40.3	123.7	948.0
1969	1.6	16.3					36.1	358.0	55.0	337	30.7	65.2	123.4	776.1
1970	2.6	25.9					32.1	318.5	36.5	237	24.2	55.1	95.4	636.4
1971	3.2	31.5					44.2	438.5	45.8	283	10.1	21.2	103.3	773.8
1972	1.8	17.5					37.1	368.4	55.4	305	11.9	25.9	106.2	716.5
1973	1.9	18.6					30.1	299.0	50.5	316	3.3	9.3	85.8	643.0
1974	2.2	22.0					39.2	388.5	46.7	282	20.2	47.0	108.3	739.5
1975	3.0	29.8	0.2	NA			25.5	252.9	26.7	160	7.6	16.2	63.0	458.9
1976	3.5	34.7	0.2	NA			35.5	351.8	35.8	208	12.0	28.4	87.0	623.4
1977	4.6	45.8	0.1	NA			38.6	382.6	47.2	321	4.9	11.4	95.3	761.3
1978	3.0	29.5	0.1	NA			39.0	387.3	31.9	217	2.2	6.3	76.2	640.3
1979	6.2	61.3	0.8	5.0	0.1	NA	51.6	512.1	63.2	430	4.6	12.9	126.4	1,021.6
1980	9.5	94.2	1.5	11.0	0.2	1.0	61.1	606.3	91.0	620	26.6	72.3	189.8	1,404.5
1981			0.9	6.2	0.1	1.1			64.4	439	1.8	5.7	67.2	451.6
1982			1.9	21.1	0.1	0.1			38.8	264	3.0	10.2	43.8	295.6

Sources Columns I & II; Table 170. Columns III-VI: Table 171. Column VII: Table 104. Column VIII: Table 110. Column IX: Columns I+III+V+VI. Column X: Columns II+IV+VI+VIII.